

## SEQUENCE LISTING

<110> Stolk, John A.  
 Molesh, David Alan  
 Fling, Steven P.  
 Xu, Jiangchun

<120> COMPOSITIONS AND METHODS FOR THE THERAPY  
 AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.484C6

<140> US

<141> 2001-10-02

<160> 215

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 303, 370, 377, 382

<223> n = A,T,C or G

<400> 1

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agtcagaact ggttttatca gcagtttgat cttctgaggt ctggtatgta gtttgctggc 120
ccacagaacc ttcacgtgta ttcacagcct caatgccata aggaaactct tttagaagtt 180
ctgacagctg gtcacgttagg tataagacag gtgccttacc actgtggatt tcatttcttg 240
caggatcttg gggagtatag ttgctggatg catctatttc ctgagggtaa atatcctcct 300
ggncgacgag gccgctcgag tctagagggc ccgtttaaac ccgctgatca gcctcgactg 360
tgccttctan ttgccancca tntgttggtt gcccct

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<210> 2

<211> 396

<212> DNA

<213> Homo sapiens

<400> 2

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cgaccaaaaa gtaaactcca agtgaacatc aaatcaaata taatcctttt ggccacatga 60
ctggttggtc tttatctcat agttacaatg aatcatataa actgtagact gccactacca 120
cgatacttct gtgacacaga aggaatgtcc tatttgccct tctatctgag gaatgttaaa 180
tagagaaaaa tagattataa aacaacctgg aggtcacagg attctgagat aatccctctg 240
ttaaaaaaca tctgaacagc aaatgtccaa tctgtaataa aatagttaaa ggtccaagtc 300
aagtccactt ctacttggct ggcccagcac aagaaatcta acagcacttt gtaatcattt 360
tgcttttcta attttccggg aggacatggg ccattg

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FASTSEQ 4.0



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<210> 6
<211> 396
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> 212
<223> n = A,T,C or G
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<400> 6							
acgggaggcg	ccgggaagtc	gacggcgccg	gcggctcctg	caggaggcca	ctgtctgcag	60	
ctcccgtaga	gatgtccact	ccagacccac	ccctgggcgg	aactcctcgg	ccaggtcctt	120	
ccccgggccc	tgcccttccc	ctggagccat	gctgggccct	agcccgggtc	cctcgccggg	180	
ctccgcccac	agcatgatgg	ggcccagccc	angggcgccc	ctcagcagga	caccccatcc	240	
ccaccacagg	gcctggaggg	taccctcagg	acaacatgca	ccagatgcac	aagcccatgg	300	
agtccatgca	tgagaagggc	atgtcggacg	accgcgcta	caaccagatg	aaaggaatgg	360	
gqatgcggtc	agggggccat	gctgggatgg	ggcccc			396	

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<210> 7
<211> 396
<212> DNA
<213> Homo sapiens
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<400>	7								
acccgagagt	cgtcgggggtt	tcttgcttca	acagtgcctt	gacggaacc	ggcgtcgtt	60			
ccccacccc	gccggccgc	catagccagc	cctccgtcac	ctcttcacc	caccctcgga	120			
ctgccc aa	gccccgcgc	cgctccagc	gccgcgcgc	cacgcgcgc	gccgcgcgc	180			
ctccttagt	gccgccatga	cgaccgcgtc	cacctgcag	gtgcgccaga	actaccacca	240			
ggatcagag	gccgccaatc	acccgcgat	caacctggag	ctctacgcct	cctacgttta	300			
cctgtccatg	tcttactact	ttgaccgcga	tgatgtggct	ttgaagaact	ttgccaata	360			
ctttcttcac	caatctcatg	aggagagggg	acatgc			396			

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<210> 8
<211> 396
<212> DNA
<213> Homo sapiens
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<400>	8							
cgacaacaag	gttaataacct	tagttcttaa	catttttttt	ctttatgtgt	agtgttttca	60		
tgctaccttg	gtaggaaact	tatttacaaa	ccatattaa	aggctaattt	aaatataaat	120		
aatataaaagt	gctctgaata	aagcagaaat	atattaccagt	tcattccaca	gaaagcatcc	180		
aaaccaccca	aatgaccaag	gcatatatag	tatttgagg	aatcaggggt	ttggaaggag	240		
tagggaggag	aatgaaggaa	aatgcaacca	gcatgattat	agtgtgttca	tttagataaa	300		
agtgaaggag	acaggagagg	tagcaaaggc	caggcttttc	tttggttttc	ttcaaacata	360		
ggtgaaaaaa	acactgccat	tcacaagtca	aggaac			396		

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<220>  
<221> misc_feature  
<222> 321, 344  
<223> n = A,T,C or G
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<210> 10
<211> 396
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<222> 250, 255, 264, 266, 267, 268, 269, 270, 271, 272, 279, 284,
297, 303, 304, 305, 308, 315, 317, 318, 319, 320, 321, 322,
323, 333, 334, 337, 338, 342, 343, 368, 372, 374, 380, 381,
391, 395
<223> n = A,T,C or G
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<210> 11
<211> 396
<212> DNA
<213> Homo sapiens
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<400> 11

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<210> 12
<211> 396
<212> DNA
<213> Homo sapiens
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<210> 13
<211> 396
<212> DNA
<213> Homo sapiens
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<210> 14
<211> 396
<212> DNA
<213> Homo sapiens
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<210> 15
<211> 396
<212> DNA
<213> Homo sapiens
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<400> 17
accacactaa ccatatacca atgatggcgc gatgtaacac gagaaagcac ataccaaggc 60
caccacacac cacctgtcca aaaaggcctt cgatacggga taatcctatt tattacctca 120
gaagtttttt tcttcgcagg atttttctga gccttttacc actccagcct agcccctacc 180
ccccaactag gagggcactg gccccaaca ggcatacccc cgctaaatcc cctagaagtc 240
ccactcctaa acacatccgt attactcgca tcaggagtat caatcacctg agctcaccat 300
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agtctaataag aaaacaaccg aaaccaaata attcaagcac tgcttattac aattttactg 360  
 ggtctctatt ttaccctcct acaagcctca gactac 396

<210> 18  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 51, 54, 66, 81, 86, 98, 106, 111, 117, 124, 129, 133, 135,  
 150, 151, 154, 159, 161, 172, 179, 181, 183, 185, 220, 223,  
 229, 238, 258, 259, 264, 282, 289, 292, 294, 299, 303, 311,  
 315, 329, 343, 349, 351, 353, 361, 369, 370, 389, 392  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 396  
 <223> n = A,T,C or G

<400> 18  
 tttttttttt tttttttttt tttttttttt ttttttttta ntcnaaaggg 60  
 gaaggncctt ttttattaaa nttggncatt ttacttttnt tttttnaaaa ngctaanaaa 120  
 aaanttttnt tttncttaaa aaaaaccctn natntcacna ncaaaaaaaaa cnattcccnc 180  
 ntncnttttg tgataaaaaa aaaggcaatg gaattcaacn tancctaana aaactttnc 240  
 tgggaggaaa aaaaattntt ccgngggaaa cacttggggc tntccaaant gnanccatnc 300  
 tangaggacc ntctntaaga tttccaaang aaacccttc ctnccaaang nantaccccg 360  
 ntgcctacnn cccataaaaa aaacctcanc cntaan 396

<210> 19  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 47, 69, 75, 80, 83, 87, 88, 90, 92, 102, 104, 108, 116, 121,  
 130, 138, 139, 142, 153, 156, 158, 162, 165, 166, 180, 192,  
 193, 195, 201, 224, 226, 232, 235, 237, 241, 248, 251, 253,  
 256, 269, 272, 274, 277, 284, 287, 290, 292, 297  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 299, 305, 306, 315, 323, 324, 326, 332, 351, 368, 377, 380,  
 383, 387, 392  
 <223> n = A,T,C or G

<400> 19  
 tttttttttt tttttttttt tttttttttt tttttttntgg tctgggcttt 60  
 tattttacna aaaanctaana ggnaaanntn cnttaaaacta antngaanac aaagtnttaa 120  
 ngaaaaaggn ctgggggnnt cntttacaaa aanggnccng gncanntttg ggcttaaaaan 180  
 ttcaaaaagg gnnctcaaaa ngggtttgca ttgcatgtt tcancnctaa ancgnangaa 240  
 naaacccngg ngncnctg gaaaagtnt tnanctncca aaanatnaaa tntttgnanc 300  
 agggntttt tgggnaaaaa aannanttc anaaacttc catcccctg ntttgggttc 360

Sequence = 3962653

ggccttgngt tttcggnatn atntccntta angggg

396

<210> 20  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 29, 43, 49, 53, 55, 75, 81, 100, 110, 111, 125, 129, 160,  
162, 168, 246, 277  
<223> n = A,T,C or G

<400> 20  
tttttttttt tttttttttt ttttttctna acaaaccctg ttnttgggng ggngngggta 60  
taatactaag ttganatgat ntcatttacg ggggaaggcn ctttgtgaan naggccttat 120  
ttctnttgnc ctttcgtaca gggaggaatt tgaagtaaan anaaaccnac ctggattact 180  
ccggtctgaa ctcaaatac gtaggacttt aatcggtgaa caaacaacc tttaatagcg 240  
gctgcncat tgggatgtcc tgatccaaca tcgaggncgt aaaccctatt gttgatatgg 300  
actctaaaaa taggattgag ctgttatccc tagggtaact tgttcccggtg gtcaaagtta 360  
ttggatcaat tgagtataag tagttcgctt tgactg 396

<210> 21  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 6, 9, 18, 23, 37, 43, 48, 55, 65, 73, 75, 103, 110, 117,  
123, 125, 134, 153, 182, 195, 202, 205, 213, 216, 223, 239,  
249, 276, 293, 294, 302, 307, 344, 356, 359, 369, 374, 381,  
392  
<223> n = A,T,C or G

<400> 21  
acatanatnt tatactanca ttnaccatct cacttgnagg aanactanta tatcnctcac 60  
acctnatatc ctncntacta tgcctagaag gaataatact atngctgttn attatancta 120  
ctntnataac cctnaacacc cactccctct tanccaatat tgtgcctatt gccatactag 180  
tntttgccgc ctgcnaagca gnggngggcc tanccntact agnctcaatc tccaacacnt 240  
atggcctana ctacgtacat aacctaacc tactcnaatg ctaaaactaa tcnncccaac 300  
anttatntta ctaccactga catgactttc caaaaaaac atantttgaa tcaacncanc 360  
cacccacanc ctanttatta ncatcatccc cntact 396

<210> 22  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 17, 244  
<223> n = A,T,C or G



<400> 22  
 tttttttttt ttttganaaa agccggcata aagcactttt attgcaataa taaaacttga 60  
 gactcataaa tgggtgctggg ggaaggggtgc agcaacgatt tctcaccaa tctactacaca 120  
 ggacagcaaa ggggtgagaa ggggctgagg gaggaaaagc caggaaactg agatcagcag 180  
 agggagccaa gcatcaaaaa acaggagatg ctgaagctgc gatgaccagc atcattttct 240  
 taanagaaca ttcaaggatt tgtcatgatg gctgggcttt cactgggtgt taagtctaca 300  
 aacagcacct tcaattgaaa ctgtcaatta aagttcttaa gatttaggaa gtggtggagc 360  
 ttggaaagtt atgagattac aaaattcctg aaagtc 396

<210> 23  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 23  
 acaaaggcgg ttccaagcta aggaattcca tcagtgtttt tttcgagcc accaaattta 60  
 gcaggcctgt gaggttttca tatcctgaag agatgtattt taaagctttt tttttttaat 120  
 gaaaaaatgt cagacacaca caaaagtaga atagtaccat ggagtcccca cgtaccagc 180  
 ctgcagcttc aacagttacc acatttgcca accggagaga ctgccaaggc aggaaaaagc 240  
 cctggaaagc ccacggcccc ttttccctt gggtcagagg ccttagagct ggctgcaaaa 300  
 gcagccaacc aaaggggagc ctgagctcct tcgtggcacc agcagtgttc ctgatgcagt 360  
 tgaagagttg atgtctttga caacatacgg aactg 396

<210> 24  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 313, 337, 340, 350, 351, 352, 353, 354, 355, 356, 366, 376,  
 377, 378, 382, 384, 385, 387, 389, 390, 392, 393, 396  
 <223> n = A,T,C or G

<400> 24  
 cgactatcct ctcagattct tatctggcac taatttataa ctattatatt atcagagact 60  
 atgtagcaat atatcagtc acaggcgcat cccaggcctg tacagatgta tgtctacacg 120  
 taagtataaa tgaatttgca taccaggttt tacacttgca tctctaatag agattaaaaa 180  
 caacaaattg gcctcttcct aagtatatta atatcattta tccttacatt ttatgcctcc 240  
 ccctaaatta atgactgagt tgggtgaaag cggttaggtt ttattcatac tgttttttgt 300  
 tctcaacttc aanagtaatc tacctctgaa aaatttntan tttaatattn nnnnnnagga 360  
 atttgnacca ctttannnct tncnntntnn tnnccn 396

<210> 25  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 90, 125, 136, 278, 299, 301, 305, 344, 347, 353, 355, 356,  
 357, 359, 360, 361, 365, 369, 378, 380, 381, 382, 383, 384,  
 385, 386, 391, 392, 393, 395, 396  
 <223> n = A,T,C or G

<400> 25  
 tttttttttt tttttttttt gtctttttaa aaatataaaa gtgttattat tttaaaacat 60  
 caagcattac agactgtaaa atcaattaan aactttctgt atatgaggac aaaaatacat 120  
 ttaanacata tacaanaaga tgctttttcc tgagtagaat gcaaactttt atattaagct 180  
 tctttgaatt ttcaaaatgt aaaataccaa ggctttttca catcagacaa aaatcaggaa 240  
 tgttcacctt cacatccaaa aagaaaaaaa aaaaaaanc aattttcaag ttgaagttna 300  
 ncaanaatga tgtaaaatct gaaaaaagtg gccaaaattt taanttncaa canannngnn 360  
 ncagnttttna tggatctntn nnnnnncttc nnntnn

<210> 26  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 313, 314, 316, 318, 321, 343, 344, 352, 353, 356, 363, 366,  
 370, 372, 373, 374, 375, 377, 378, 379, 383, 384, 385, 386,  
 387, 391, 393, 394, 395, 396  
 <223> n = A,T,C or G

<400> 26  
 gacgctcccc cctccccccg agcgccgctc cggtgcacc gcgctcgctc cgagtttcag 60  
 gctcgtgcta agctagcgcc gtcgctgctc cccttcagtc gccatcatga ttatctaccg 120  
 ggacctcatc agccacgatg agatgttctc cgacatctac aagatccggg agatcgcgga 180  
 cggtttgtgc ctggaggtgg aggggaagat ggtcagtagg acagaaggta acattgatga 240  
 ctgctcatt ggtggaatg cctccgctga aggccccgag ggcgaaggta cccgaaagca 300  
 cagtaatcac tgnngnchnat nttgtcatga accatcacct gcnnгааааа annttnacaa 360  
 aanaancctn cnnnnannnc ctnnnnnatt ncnnnn

<210> 27  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 49, 61, 66, 73, 75, 99, 102, 103, 105, 107, 120, 124, 126,  
 129, 138, 139, 141, 147, 155, 157, 162, 165, 175, 187, 191,  
 193, 198, 207, 217, 218, 220, 221, 223, 226, 231, 232, 245,  
 257, 259, 260, 263, 266, 271, 287, 305, 306, 307, 308  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 321, 330, 332, 335, 342, 343, 344, 345, 349, 350, 351, 352,  
 354, 355, 356, 357, 365, 366, 367, 370, 371, 372, 373, 374,  
 375, 376, 377, 378, 379, 380, 381, 382, 383, 386, 387, 388,  
 389, 391, 392, 393, 394, 395, 396  
 <223> n = A,T,C or G

<400> 27  
 tttttttttt tttttttttt tttttttttt tggctaaant ttatgtatac 60  
 nggttnttca aangnggggg aggggggggg gcatccatnt annncncca ggtttatggn 120

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gggntnttnt actattanna nttttcnctt caaancnaag gnttntcaaa tcatnaaaat 180
tattaanatt ncngctgnta aaaaaangaa tgaaccnncn nanganagga nttttcatgg 240
ggggnatgca tcgggggnann ccnaanaacc ncggggccat tcccganagg cccaaaaaat 300
gtttnnnnna aaagggtaaa nttaccccn tnaantttat annnnaaann nnannnnagc 360
ccaannnttn nnnnnnnnnn nnnccnnna nnnnnn 396

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<210> 28
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 278, 283, 298, 309, 326, 331, 338, 351, 355, 356, 357, 358,
360, 371, 377, 378, 383, 386, 387, 391, 393, 394, 395
<223> n = A,T,C or G

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```

<400> 28
cgaccttttt tttttttttt atagatgaaa gagggtttat ttattaatat atgatagcct 60
tggctcaaaa aagacaaatg agggctcaaa aaggaattac agtaacttta aaaaatatat 120
taaacatatc caagatccta aatatattat tctcccaaaa agctagctgc ttccaaactt 180
gatttgatat tttgcattgt ttccctacgt tgcttggtta atatatttgc ttctcctttc 240
tgcaatcgac gtctgacagc tgatttttgc tgttttgnca acntgacgtt tcaccttntg 300
tttcaccant tctggaggaa ttgttnaaca ncttacaan ctgccttgaa naannnnnan 360
gcctcaaaaag ntcttgnnct atnctnnttc nttnnt 396

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<210> 29
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 329, 334, 361, 386, 390
<223> n = A,T,C or G

```

```

<400> 29
gacttgctca tttagagttt gcaggaggct ccatactagg ttcagtctga aagaaatctc 60
ctaattggtgc tatagagagg gaggtaacag aaagactctt ttagggcatt tttctgactc 120
atgaaaagag cacagaaaag gatgtttggc aatttgtctt ttaagtctta accttgctaa 180
tgtgaatact gggaaagtga tttttttctc actcgttttt gttgctccat tgtaaagggc 240
ggaggtcagt cttagtggcc ttgagagttg cttttggcat ttaaataattc taagagaatt 300
aactgtatct cctgtcacct attcactant gcangaaata tacttgctcc aaataagtca 360
ntatgagaag tcaactgtcaa tgaaanttgn tttgtt 396

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<210> 30
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 28, 83, 126, 138, 254, 275, 298, 310, 311, 353, 363, 374,
379, 393

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<210> 33
<211> 396
<212> DNA
<213> Homo sapiens
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<221> misc_feature
<222> 121, 122, 124, 125, 126, 128, 130, 131, 132, 133, 134, 136,
137, 153, 154, 155, 156, 157, 158, 159, 168, 169, 170, 171,
172, 173, 174, 175, 176, 177, 178, 179, 184, 185, 192, 197,
199, 200, 202, 204, 205, 208, 209, 210, 211, 214, 215
<223> n = A,T,C or G
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<221> misc_feature
<222> 216, 217, 218, 222, 227, 228, 229, 233, 234, 241, 242, 244,
245, 246, 247, 248, 249, 252, 260, 261, 262, 263, 264, 265,
270, 272, 273, 274, 275, 279, 282, 284, 288, 290, 291, 292,
293, 294, 299, 300, 301, 302, 303, 306, 313, 314, 319
<223> n = A,T,C or G
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<221> misc_feature
<222> 327, 328, 330, 331, 332, 333, 334, 335, 343, 349, 350, 351,
352, 355, 360, 369, 370, 371, 375, 379, 387, 388, 390, 391,
392, 393, 394, 395, 396
<223> n = A,T,C or G
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<400> 33
cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180
nngnnntntn nnnnannaaa aaaaaaaaaa aannnnnnna aaaaaaannn nnnnnnnnnt 240
tttnnggggg gnttttnann gnannttnnn ntnnnnnnaa ancccnng ggnggggggg 300
nntnnnnnng gnaaaaaaan nnnnnggggn cnnnngggnc cncnccnan nnnnaaaaann 360
nnnggntttt ttnttttttn aaaaaanngn nnnnnaacaa aanttttttn nnaanttttn 396
gggggaaann ncccntttnt ttttttnnan nnnnnn
```

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<210> 34
<211> 396
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> 8, 60, 72, 123, 128, 155, 172, 198, 207, 246, 305, 325, 348,
349, 369, 371, 380, 393, 394
<223> n = A,T,C or G
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<400>	34						60
acggaccnag	ctggaggagc	tgggtgtggg	gtgcgttggg	ctggtgggga	ggcctagttn		120
gggtgcaagt	angtctgatt	gagcttgtgt	tgtgctgaag	ggacagccct	gggtctaggg		180
ganagagncc	ctgagtgtga	gacccacctt	cccngtccc	agccctccc	antcccca		240
gggacggcca	cttctgntc	ccgacncaa	ccatggctga	agaacaaccg	caggtcgaat		300
tgttctgaa	ggctggcagt	gatggggcca	agattgggaa	ctgcccatte	tgccacagac		360
tgttnatggt	actgtggctc	aaggnaagtc	ccttcaatgt	taccaccnnt	gacaccaaaa		396
ggcggaccna	nacagtgc	aagctgtgcc	cannng				

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<210> 35
<211> 396
<212> DNA
<213> Homo sapiens
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<400> 35  
 tcgacaaaaa tcaaattctgg cactcacaag ccctggccga cccccaatgg gttttaccac 60  
 tccccctcta gacctgtct tgcaaaatcc tctccctagc cagctagtat tttctgggct 120  
 aaagactgta caaccagttc ctccatttta tagaagttta ctactccag gggaaatgg 180  
 gagtctcca acctcccttt caaccagtc catcattcca accagtggta ccatagagca 240  
 gcaccccccg ccacctctg agccagtagt gccagcagt atgatggcca cccatgagcc 300  
 cagtgtgac ctggcaccca agaaaaagcc caggaagtca agcatgcctg tgaagattga 360  
 gaaggaaatt attgataccg ccgatgagtt tgatga 396

<210> 36  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 36  
 tcgacgggaa gagcctgcta cgggtggactg tgagactcag tgcactgtcc tcctcccagc 60  
 gacccacgc tggacccct gccggaccct ccacccttcg gcccacaagc ttcccagggg 120  
 ctccctttgg actggactgt ccctgctcat ccattctcct gccaccccca gacctcctca 180  
 gctccagggt gccacctcct ctgccagag tgatgaggtc ccggtctctg ctctccgtgg 240  
 cccatctgcc cacaattcgg gagaccacgg aggagatgct gcttgggggt cctggcacagg 300  
 agcccccacc ctctcctagc ctggatgact acgtgaggtc tatatctcga ctggcacagc 360  
 ccacctctgt gctggacaag gccacggccc agggcc 396

<210> 37  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 376  
 <223> n = A,T,C or G

<400> 37  
 cgacgggtgtc agcaactggc catgccacag cacataaaga ttacagtgc aagaaaaaca 60  
 ttgtttgagg attcctttca acagataatg agcttcagtc cccaagatct gcgaagacgt 120  
 ttgtgggtga tttttccagg agaagaagg ttagattatg gagtgtagc aagagaatgg 180  
 ttctttcttt tgtcacatga agtggtgaac ccaatgtatt gcctgtttga atatgcaggg 240  
 aaggataact actgcttgca gataaacccc gcttcttaca tcaatccaga tcacctgaaa 300  
 tattttcgtt ttattggcag atttattgcc atggctctgt tccatgggaa aattcataga 360  
 cacgggtttt tcttttccat tctataagcg tatctt 396

<210> 38  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 38  
 cgacaaaaat gataaatagc ttttaagaatg tgctaattgat aaatgattac atgtcaattt 60  
 aatgtactta atgtttaata ccttatttga ataattacct gaagaatata ttttttagta 120  
 ctgcatttca ttgattctaa gttgcacttt ttaccccat actgttaaca tatctgaaat 180  
 cagaatgtgt cttacaatca gtgatcgttt aacattgtga caaagttaa tggacagttt 240  
 tttcccatat gtatatataa aataatgtgt ttacaatca gtggcttaga ttcagtgaat 300

```
<210> 39
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<210> 40
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 200, 375
<223> n = A,T,C or G
```

```
<210> 41
<211> 396
<212> DNA
<213> Homo sapiens
```

[illegible]

<400> 44



gacctagttt tacctcttaa atatctctgt tcccttctaa gttgtttgct gtgttttctt 60  
 cagagcaaga aggttatatt ttttaaaatt tacttagtaa tgcacattca aaacacacat 120  
 caagtcttca ggataaagtt caaaaccgct gtcattggccc catgtgatct ctccctcccc 180  
 taccctctta tcatcttagtt tcttctgctc aagccactct ggcttccttt cagttttgtg 240  
 gttcccggtt ttagctagtt cagtgggttt caatgggcat ttcttgccct ttttttctta 300  
 aacgacaaat agaaatacat cttctttatt atcctccaaa tccaattcag aggtaatatg 360  
 ctccacctac acacaatttt agaaataaat taaaaa 396

<210> 45

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 18, 19, 22, 39, 40, 43, 62, 84, 90, 99, 103, 104, 105, 117,  
 120, 123, 128, 134, 139, 141, 142, 143, 144, 145, 182, 187,  
 207, 218, 219, 242, 247, 257, 260, 263, 272, 276, 277, 279,  
 284, 288, 294, 296, 297, 305, 310, 314, 319, 320, 322

<223> n = A,T,C or G

<221> misc\_feature

<222> 364, 366, 376, 378, 381, 387, 388, 396

<223> n = A,T,C or G

<400> 45

tttttttttt ttttaaannt tntaaatttt taatgaaann ganttagaac aatgtattat 60  
 tnacatgtaa ataaaaaaag agancataa ccccatatnc tcnnaaaagg aaggganacn 120  
 gcnggccttt tatnagaana nnnnncatat aagaccccat taagaagaat ctggatctaa 180  
 anacttncaa acaggagttc acagtangtg aacagcannc cctaattcca ctgatgtgat 240  
 gnttcnata aaatcancan cgntgatcgg gnacnnanc aatntgancg gaanannact 300  
 gctcnatatn tttnaggann cngatgtggt cattttttac aaagataatg gccacaccct 360  
 tccngnccga atcgancnga nctcccnntt ctgtgn 396

<210> 46

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 24, 105, 144, 188, 190, 214, 317, 369, 371, 378

<223> n = A,T,C or G

<400> 46

tttttttttt tttttttttc tganacagag tctcattctg ttgcctaggc tggattgcag 60  
 tggtgccatc tcggctcact gcaacctccg cctcctgggt tccanaaatt ctctgcctc 120  
 agctctcccg gtagctggga ctanaggcac acgccaccac gccaggctaa tttttatatt 180  
 tttagtanan atggcggttc accatgttga ccnactgat ctcgaaactcc cgacctcgtg 240  
 atccaccac ctcggcctcc caaagtgtg ggattacagg cgtgaaacca ccaggcccg 300  
 cctgaaatat ctattnttt tcagattatt tttaaaattc catttgatga atcttttaaa 360  
 gtgagctana naaagtgngt gtgtacatgc acacac 396

<210> 47

<211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 290  
 <223> n = A,T,C or G

<400> 47  
 tttttttttt tttttttgct gttgccaact gtttattcag ggccctgaac ggggtggtgcg 60  
 tggacatgca acacactcgg gccacacagca gcgtgaccgg ccgctcccaa gcccggggcg 120  
 cacaaccaca gccaggagca gcccctgcca ccaactgggc accgtccagg gcccacacag 180  
 accagccgaa ggtgccccgg gccgaggcca gctgggtcag gtgtaccct agcctggggg 240  
 tgagtgagga gcggcaccac cagtatcctg tgtaccccaa gttgcccagn aggccgagg 300  
 ggccttgggc tccatctgca ctggccaccc cgtgccaagc atcacagctg cgtgagcagg 360  
 tttgtgtgtg agcgtgtggc ggggcctggt tgtccc 396

<210> 48  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 393, 396  
 <223> n = A,T,C or G

<400> 48  
 ctgggcctgt gccgaagggt ctgggcagat cttccaaaga tgtacaaaat gtagaaattg 60  
 ccctcaagca aatgcaaaga tgctcaacac ccttagtcat caagaaaatg caaatggaat 120  
 ccacagagag atactgcaca ctgacaaaga tggctgtatt actaaagggtg aataaccagc 180  
 gcggggggca cgtggagtca ctggaacatt tgtgcaatgc tgggtgggaat gtcaaccctg 240  
 gcggccctct ggaataagcc tggcagctcc tccaagagtt acccgtgtga cccagcaatt 300  
 ccaactcctag ctccaccac aggaattgaa agcaaagacg caaacagatg cctgtgcacc 360  
 aaagttcacg gcagcatcct tcgcatagtg ggnaaa 396

<210> 49  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 32, 40, 44, 64, 70, 83, 87, 92, 104, 115, 118, 125, 127,  
 130, 137, 155, 168, 171, 173, 175, 192, 201, 206, 208, 218,  
 219, 235, 247, 249, 256, 259, 260, 269, 297, 306, 310, 320,  
 321, 328, 331, 345, 356, 381, 389, 395  
 <223> n = A,T,C or G

<400> 49  
 accccaaaat gggaaaggaa aagactcata tnaacattgn cgtnattgga cacgtacatt 60  
 cggncagtn caccactact ggncatntga tntataaatg cggnggcacg gacanaanaa 120  
 ccatngnaan atttganaag gaggctgctg atatnggaaa gggctccntc nantntgcct 180

```
<210> 50
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<210> 51
<211> 396
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<220>  
<221> misc_feature  
<222> 81, 189  
<223> n = A,T,C or G
```

[illegible]

tatttcctga ttgtgattca gaatccaacc gaataagcca ctctcttggc tccctgtgtc 360  
 attccttaat ttaatgcccc ccaagaatgt taatgt 396

<210> 53  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 224, 225, 228, 235, 240, 246, 257, 266, 274, 279, 281, 282,  
 283, 285, 287, 288, 290, 291, 292, 293, 294, 295, 296, 297,  
 300, 301, 303, 307, 311, 313, 314, 317, 318, 319, 320, 321,  
 323, 324, 328, 329, 330, 336, 337, 338, 339, 340, 341  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 356,  
 357, 358, 359, 362, 363, 364, 365, 366, 367, 373, 380, 381,  
 382, 385, 387, 388, 389, 390, 392  
 <223> n = A,T,C or G

<400> 53  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180  
 tttttttttt tttttttttt tttttttttt tttttttttt ttannntntt tttntttntn 240  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 300  
 cctttntttt aattcanaaa aagaanaaga aaanataana nnnancnnan nnnnnnatn 360  
 ntncctnata ntntttnnnn nannggggnn gcgagnnnnn nnnnnnnnnn nntctnnnt 396  
 tnnnnnnctt gcncccttn nnttngnnn angcaa

<210> 54  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 367  
 <223> n = A,T,C or G

<400> 54  
 ctcttggggc tgctgggact cgcgtcggtt ggcgactccc ggacgtaggt agtttggttg 60  
 gccgggttct gaggccttgc ttctctttac ttttccactc taggccacga tgccgcagta 120  
 ccagacctgg gaggagtcca gccgcgtgct cgagaagctt tacctcgctg accctatgaa 180  
 ggacagtgtg gttctcaaat ataggcattc tgatgggaac ttgtgtgtta aagtaacaga 240  
 tgatttagtt tgtttggtgt ataaaacaga ccaagctcaa gatgtaaaga agattgagaa 300  
 attccacagt caactaatgc gacttatggt agccaaggaa gcccgcaatg ttaccatgga 360  
 aactgantga atggtttgaa atgaagactt tgtcgt 396

<210> 55  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

00670956 1000000

<400> 55  
 cgacggtttg ccgccagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga 60  
 aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtccacc 120  
 actactggcc atctgatcta taaatgcggt ggcatcgaca aaagaacccat tgaaaaattt 180  
 gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt cttggataaa 240  
 ctgaaagctg agcgtgaacg tggatcacc attgatatct ccttgtggaa atttgagacc 300  
 agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360  
 attacagga catctcaggc tgactgtgct gtccctg 396

<210> 56

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 134, 145, 255, 279, 337, 344, 369

<223> n = A,T,C or G

<400> 56  
 tttttttttt ttttttctca ttttaactttt ttaatgggtc tcaaaattct gtgacaaatt 60  
 tttggtcaag ttgtttccat taaaaagtac tgattttaaa aactaataac ttaaaactgc 120  
 cacacgcaaa aaanaaaacc aaagnggtcc acaaaacatt ctcctttcct tctgaagggt 180  
 ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaatt gccaatgaa 240  
 acaaacagtt ctganaccgt tcttcacca ctgattaana gtgggggtggc aggtattagg 300  
 gataatattc atttagcctt ctgagctttc tgggcanact tggngacctt gccagctcca 360  
 gcagccttnt tgtccactgc tttgatgaca cccacc 396

<210> 57

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 52, 57, 58, 61, 72, 75, 77, 84, 87, 88, 93, 100, 101, 111,  
 117, 119, 121, 131, 132, 133, 134, 142, 143, 154, 156, 159,  
 167, 168, 170, 175, 176, 182, 183, 185, 186, 190, 192, 194,  
 198, 199, 200, 209, 212, 217, 218, 220, 232, 235, 253

<223> n = A,T,C or G

<221> misc\_feature

<222> 255, 257, 258, 260, 262, 263, 270, 271, 273, 277, 280, 281,  
 284, 285, 289, 296, 297, 298, 303, 305, 307, 309, 310, 317,  
 322, 324, 337, 338, 342, 344, 346, 347, 349, 351, 356, 358,  
 366, 368, 371, 377, 380, 388, 389, 393, 396

<223> n = A,T,C or G

<400> 57

cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tnaaaanntt 60  
 ntttttgcaa anccnancaa aaanggnngg aangaaaaan nggaaaaatt ntttttncnt 120  
 ntttggaac nnnnagccct tnntttgaaa aaangnggnc ttaaaanngn tgaannaaag 180  
 gnnanncccn gntncttnnn tttaaaaana anggggnngn ttttttttaa anaanatttt 240

1007055E 1007057E

```
<210> 58
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<210> 59
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<400> 59
cttttttttt tttttttttt tcagnggaaa ataactttta ttganacccc accaactgca 60
aaatctgttc ctggcattaa gtccttctt cctttgcaat tcggctcttc ttcagnggtc 120
ccatgaatgc tttcttctcc tccatggtct ggaagcggcc atggcctaac ttggaggngg 180
tgtaaatgaa ctttaagnca atcttctcca nagcccgccg cttctctctg accancaagg 240
acttgcgagg gngagcacc cgcttnttgg ttcccaccac ncagcctttc agcatgacaa 300
agtcattggt cacttcacca tagnggacaa agccacccaa agggttgatg ctcttggca 360
aataggncat agtcacngga ggcattgtnc ttgatc 396
```

```
<400> 60
acctcagctc tcggcgcacg gccagcttc cttcaaaatg tctactgttc acgaaatcct 60
gtgcaagctc agcttggagg gtgatcactc tacaccccca agtgcataatg ggtctgtcaa 120
agcctatact aactttgatg ctgagcggga tgctttgaac attgaaacag ccatcaagac 180
caaaggtgtg gatgaggtca ccattgtcaa cattttgacc aaccgcagca atgcacagag 240
acaggatatt gccttcgcct accagagaag gacccaaaag gaacttgcat cagcactgaa 300
gtcagcctta tctggccacc tggagacggt gattttgggc ctattgaaga cacctgctca 360
gtatgacgct tctgagctaa aagcttccat gaaggg
```

$\langle 210 \rangle$	61
$\langle 211 \rangle$	396

<212> DNA  
<213> Homo sapiens

<400> 61  
tagcttgctg gggacggtaa ccgggacccg gtgtctgctc ctgtcgcctt cgctcctaa 60  
tccctagcca ctatgcgtga gtgcatctcc atccacgttg gccaggctgg tgtccagatt 120  
ggcaatgcct gctgggagct ctactgcctg gaacacggca tccagcccga tggccagatg 180  
ccaagtgaca agaccattgg gggaggagat gactccttca acaccttctt cagtgcagacg 240  
ggcgctggca agcacgtgcc ccgggctgtg tttgtagact tggaaccac agtcattgat 300  
gaagttcgca ctggcaccta ccgccagctc ttccaccctg agcagctcat cacaggcaag 360  
gaagatgctg ccaataacta tgcccagggg cactac 396

<210> 62  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 261, 269, 313, 333, 346, 354, 359, 390, 394, 395, 396  
<223> n = A,T,C or G

<400> 62  
tcgacgtttc ctaaagaaaa ccactctttg atcatggctc tctctgccag aattgtgtgc 60  
actctgtaac atctttgtgg tagtcctgtt ttcctaataa ctttgttact gtgctgtgaa 120  
agattacaga tttgaacatg tagtgtagct gctgttgagt tgtgaactgg tgggccgtat 180  
gtaacagctg accaacgtga agatactggt acttgatagc ctcttaagga aaatttgctt 240  
ccaaatttta agctggaaaag ncaactggant aactttaaaa aagaattaca atacatggct 300  
ttttagaatt tcnttacgta tgtaaagatt tgngtacaaa ttgaantgtc tgtntctganc 360  
ctcaaccaat aaaatctcag tttatgaaan aaannn 396

<210> 63  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 3, 11, 16, 18, 23, 26, 30, 34, 37, 50, 51, 60, 61, 62, 63,  
64, 75, 82, 83, 84, 85, 87, 89, 93, 94, 97, 98, 99, 118,  
119, 120, 122, 134, 136, 138, 139, 141, 144, 145, 147, 152,  
156, 187, 188, 193, 195, 204, 211, 214, 216, 222, 226  
<223> n = A,T,C or G

<221> misc\_feature  
<222> 228, 235, 242, 258, 264, 265, 269, 275, 294, 298, 301, 307,  
316, 326, 334, 335, 339, 340, 343, 350, 351, 355, 373, 378,  
390  
<223> n = A,T,C or G

<400> 63  
ttnttttttt ntntntnttt ttntcnttgn ttgnaengaa cccggcgctn ntccccacn 60  
nnnnacggcc gccctatttc annntntcnt canntannna ccgcaccctc ggactgcnnn 120  
tngggccccg ccgncnannc nccnncccc anttncgcgc cgccgcccgc gccttttttt 180

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```
<210> 64
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 175, 177, 340, 393  
<223> n = A,T,C or G
```

```
<210> 65
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 26, 56, 103, 122, 145, 151, 154, 187, 189, 203, 224, 256,
273, 305, 344
<223> n = A,T,C or G
```

```
<210> 66
<211> 396
<212> DNA
<213> Homo sapiens
```

<400> 66						60
tcgacttttt	ttttccagg	acattgtcat	aatttttat	tatgtatcaa	attgtcttca	120
atataagtta	caacttgatt	aaagttgata	gacatttgta	tctattttaa	gacaaaaaaa	180
ttcttttatg	tacaatatct	tgtctagagt	ctagcaaata	tagtaccttt	cattgcagga	240
tttctgctta	atataacaag	caaaaacaaa	caactgaaaa	aatataaacc	aaagcaaacc	



```

aaaccccccg ctcaactaca aatgtcaata ttgaatgaag cattaataaga caaacataaa 300
gtaacttcag cttttatcta gcaatgcaga atgaatacta aaattagtgg caaaaaaaca 360
aacaacaaac aacaaacaaa acaaaacaaa caaaca 396

```

```

<210> 67
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 67
acgcttttgt ccttcatttt aactgttatg tcatactggt atgttgacat atttctttat 60
aagagaatag aggcaaaagt atagaactga ggatcatttg tatttttgag ttggaaatta 120
tgaaacttca ccatattatg atcacata ttttgaagaa cagactgacc aaagctcacc 180
tgttttttgt gttagggtgt ttggctgaac ttgattccag cccccctttc cctttgggtg 240
tgtgtatgtc tcttcatttc ctctcaaata ttcaactctt gccccatgtc tccttggcag 300
caggatgctg gcatctgtgt agtcctcata ctgtttactg ataaccaca aattcatttt 360
catggcagac ctaagctcag accctgcctt gtctctg 396

```

```

<210> 68
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 68
acctgagtc tgctctttct ctctccccgg acagcatgag cttcaccact cgctccacct 60
tctccaccaa ctaccggtcc ctgggctctg tccaggcgcc cagctacggc gcccgcccg 120
tcagcagcgc ggccagcgtc tatgcaggcg ctgggggctc tggttcccg atctccgtgt 180
cccgtccac cagcttcagg ggccggcatgg ggtccggggg cctggccacc gggatagccg 240
gggggtctggc aggaatggga ggcattccaga acgagaagga gacctgcaa agcctgaacg 300
accgctggc ctcttacctg gacagagtga ggagcctgga gaccgagaac cggaggctgg 360
agagcaaat ccgggagcac ttggagaaga agggac 396

```

```

<210> 69
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 4, 6, 8, 9, 11, 18, 19, 36, 53, 60, 64, 79, 84, 92, 94,
97, 105, 114, 120, 123, 127, 129, 134, 137, 138, 139, 142,
143, 147, 149, 151, 152, 156, 158, 167, 170, 172, 180, 182,
184, 187, 188, 189, 194, 197, 201, 209, 212, 218, 219
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 220, 222, 223, 225, 228, 229, 230, 232, 233, 236, 242, 244,
247, 250, 251, 253, 256, 257, 259, 261, 270, 271, 274, 277,
278, 279, 282, 284, 288, 289, 296, 298, 300, 310, 315, 316,
320, 321, 324, 328, 330, 331, 334, 336, 340, 347, 350
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 352, 353, 355, 359, 361, 362, 364, 367, 370, 372, 374, 376,

```

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382, 388, 390, 394, 396  
 <223> n = A,T,C or G

<400> 69  
 ntcncngnng ntgtggtnnt ttttttaatt tttatntttt cttttttttt ctngctagen 60  
 cttncctttt ttggaattnc ggtncctttt tntntcnatt ttttngacaa aaanaacctn 120  
 ttnttttnana ccanagnnng gnnacacnct nnaatntncc ccttttncgn tngggagctn 180  
 cncnttnnnc gccnacntca ntcgagacng tnccttttnnn tnnancannn tnngtncgtt 240  
 gncngcnttn ntnccannat ntcccttatn nacntgnnt cncncatntt tggacnancn 300  
 cctagccttn ccatnttttn nttnttttn natnancctn gaaaacntcn gnnttttcnc 360  
 nncnttnccn cncncncctt cntatgtncn atgncn 396

<210> 70  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 38, 57, 59, 63, 64, 65, 66, 68, 78, 79, 84, 87, 90, 97,  
 114, 115, 127, 128, 141, 143, 145, 151, 159, 168, 169, 172,  
 173, 176, 178, 197, 198, 207, 209, 211, 215, 220, 221, 223,  
 225, 228, 240, 248, 249, 260, 262, 263, 273, 283, 287  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 294, 304, 314, 334, 339, 340, 348, 362, 367, 376, 382, 384,  
 386, 395  
 <223> n = A,T,C or G

<400> 70  
 tttttttttt tttntttttt tttttttttt tttttttntt tttttttttt tttttntnc 60  
 aannntnaa cttttaanng gccncngcn ccccaanggg gaccctgctt ttgnnggcta 120  
 aatgccnaa aactttgggg nantnggtat naaaccccn cttgccnnc annttncngg 180  
 gggggggggg tttttgnngg ggaacangna naacnttttn ncnanggnat caccaaaaaan 240  
 aaagcccnnc cttttttccn annggggggg gnggggggga aantcanccc ccanattgac 300  
 cttnatattca aaanggggct tataatcctg ggcntggann cttccctnta cccggggggtt 360  
 gnccacnttt tattanaggg gnangnggat ccccnt 396

<210> 71  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 21, 30, 33, 35, 36, 42, 43, 44, 45, 46, 51, 56, 58, 59,  
 63, 70, 77, 81, 88, 94, 95, 96, 97, 101, 102, 109, 114,  
 118, 119, 120, 124, 131, 132, 133, 134, 135, 141, 142, 143,  
 144, 145, 146, 148, 149, 154, 158, 162, 164, 166, 172  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 177, 179, 181, 184, 185, 213, 216, 218, 219, 222, 223, 224,

230, 231, 240, 241, 242, 245, 247, 251, 252, 255, 258, 259,  
 261, 264, 268, 269, 272, 276, 285, 288, 289, 291, 292, 293,  
 297, 299, 300, 307, 312, 315, 316, 317, 325, 329, 334  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 340, 341, 347, 350, 354, 355, 357, 360, 361, 367, 368, 370,  
 371, 376, 377, 378, 387, 393, 394  
 <223> n = A,T,C or G

<400> 71  
 gcatctagag ggcengttta ntctagaggn ccngnntaaa cnnnnncatc nacctncnnt 60  
 gcncctgctn gttgccnccc ntctgtgnc tgcnnnnccc nngagcgtnc cttnacnnn 120  
 gaangtgcct nnnnnactga nnnnnncnna taanatgngg anantncgtc gncattntnt 180  
 natnnggggt gatgctattc tgggggggtgg ggnggngnna tnnnatactn nggggacgtn 240  
 nnatnangag nnatntcnng ntntctnnt gntttntggg gggcnatng nnntctntnn 300  
 ggactcntcg cncannnatc aatancttna ttcngtgtn ngccgncn tagnnncngcn 360  
 ngtactnnan ngttgnntc attactnttc gtngng 396

<210> 72  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2, 23, 27, 34, 35, 36, 37, 39, 41, 45, 55, 56, 59, 61, 88,  
 92, 96, 97, 98, 101, 103, 104, 106, 108, 111, 114, 115,  
 121, 128, 129, 131, 159, 170, 191, 202, 227, 233, 235, 240,  
 262, 268, 271, 272, 280, 281, 303, 304, 305, 311, 316, 317  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 321, 324, 336, 344, 345, 353, 360, 362, 363, 364, 365, 366,  
 370, 373, 389, 391, 392, 394, 395  
 <223> n = A,T,C or G

<400> 72  
 tntttttttt tttctaaaac atnactnttt attnnnnang nttntgaac ctctnngcnt 60  
 natggtgaga gtttgtctga ttaataanaa tngganntt nannanangc ntgnncgcaa 120  
 ngatggcnc nctgtatc ccaccatccc attacactnt gaacctttt tttgattaat 180  
 aaaaggaagg natgcgggga anggggaaag agaattgctt aacattncca tgnngccttn 240  
 gacaaacttt ccaatggagg cnggaacnaa nnaccaccan ncaactcccc tttttgtaat 300  
 ttnnnaactt ncaacncta nctntttatt ttggntccc tggngaaac agnctgtatn 360  
 annnnnaagn cnttgagaac atccctggnt nncnna 396

<210> 73  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 7, 9, 14, 23, 35, 38, 44, 48, 50, 61, 74, 76, 79, 80,

85, 86, 91, 95, 101, 109, 112, 113, 117, 118, 121, 122,  
127, 129, 132, 137, 141, 146, 214, 234, 243, 251, 266, 296,  
305, 306, 336

<223> n = A,T,C or G

<400> 73

```
ntcaacntng actnctgtga ggnatggtgc tggngncnta tgcngtgngn ttttggatac 60
naccttatgg acantngcnn tcccnnggaa ngatnataat ncttactgna gnnactnnaa 120
nnttcnntnt cnaaaangtt naaaancatt ggatgtgcca caatgatgac agtttatttg 180
ctactcttga gtgctataat gatgaagatc ttanccacca ttatcttaac tgangcacc 240
aanatggtga nttggggaac atatanagta cacctaagtt cacatgaagt tgttnttcc 300
caggnnctaa agagcaagcc taactcaagc cattgncaca caggtgagac acctctattt 360
tgtacttctc acttttaagg gattagaaaa tagcca 396
```

<210> 74

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 22, 118

<223> n = A,T,C or G

<400> 74

```
cctttttttt tttttttact gngaatatat acttttttatt tagtcatttt tgtttacaat 60
tgaaactctg ggaattcaaa attaacatcc ttgccgtga gcttcttata gacaccanaa 120
aaagtttcaa ccttgtgttc cacattgttc tgctgtgctt tgtccaaatg aacctttatg 180
agccggctgc catctagttt gacgcggatt ctcttgcca caatttcgct tgggaagacc 240
aagtcctcaa ggatggcatc gtgcacagct gtcagagtac ggctcctggg acgcttttgc 300
ttattttttg tacggctttt tcgagttggc ttaggcagaa ttctcctctg agcgataaag 360
acgacatgct tcccactgaa ctttttctcc aattcg 396
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<210> 75

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 14, 38, 41, 43, 47, 53, 73, 75, 78, 83, 96, 112, 113, 117,  
124, 127, 146, 160, 167, 169, 176, 177, 178, 179, 194, 197,

198, 209, 210, 220, 222, 226, 227, 231, 238, 241, 244, 258,

259, 260, 270, 271, 274, 288, 301, 302, 305, 307, 316

<223> n = A,T,C or G

<221> misc\_feature

<222> 319, 328, 339, 344, 347, 354, 359, 364, 367, 369, 370, 371,  
373, 374, 381, 384, 387, 388

<223> n = A,T,C or G

<400> 75

```
ttttttttt tttntttttt tttttttttt ttttttnaa ntntaanggg ganggccct 60
tttttttaa ctnngcnntt ttnctttcct ttttnaaaa ggaaaaaaa anntttntt 120
```

```

ttcnttnaaa aacccttttt cccacnaaca aaaaaaacn ttcccntnc cttttnnna 180
aaaaaaagg gctnggnntt tccccttann caaaaaacn tntccnngg naaaaaantt 240
ntcnccggg gggaaacnnn tgggggtgt nccnaaat tggggccntc ggaagggggg 300
nccncncct aaagangtnt ttcaaaaana aaaccccnt cctntntaa aaanaana 360
aaanaangnn ngntttttt ntcntnncc ccccaa 396

```

```

<210> 76
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 87, 94, 102, 108, 138, 139, 143, 144, 145, 146, 151, 152,
158, 168, 170, 171, 187, 204, 206, 224, 261, 262, 267, 268,
270, 287, 305, 306, 313, 315, 319, 320, 330, 331, 333, 342,
344, 348, 349, 356, 358, 360, 362, 368, 374, 376, 381
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 390
<223> n = A,T,C or G

```

```

<400> 76
acattcttca gaaatacagt gatgaaaatt cattttgaaa ctcaaatatt ttcattttgg 60
atattctcct gtttttatta aaccagngat tacncctggc cntccctnta aatgttctag 120
gaaggcatgt ctgttgtnnt tttnnnaaaa nnaaatntt tttttttngn naaaccccaa 180
atcccanttt atcaggaagt tagncnaatg aaatggaaat tggntaatgg acaaaagcta 240
gcttgtaaaa aggaccaccc nccacnngn cttaccccc ttggttngtt gggggaaaaa 300
ccatnnttaa cntntgggn aaaattgggn ncntaaagt tncntgggna acagtncntn 360
cngtattnaa ttgncnttat nggaaaatcn gggatt 396

```

```

<210> 77
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 63, 66, 81, 83, 89, 107, 115, 118, 147, 151, 190, 232, 275,
288, 294, 304, 323, 332, 369, 392
<223> n = A,T,C or G

```

```

<400> 77
ttttttttt ttttttttt ttttttttt tatcaacatt tatatgcttt attgaaagt 60
ganaanggca acagttaaat ncngggacnc cttacaattg tgtaanaaac atgcncanaa 120
acatatgcat ataactacta tacagngat ntgcaaaaac ccctactggg aaatccattt 180
cattagttan aactgagcat ttttcaaagt attcaaccag ctcaattgaa anacttcagt 240
gaacaaggat ttacttcagc gtattcagca gctanatttc aaattacnca aagngagtaa 300
ctgngccaaa ttcttaaaat ttntttagg gnggtttttg gcatgtacca gtttttatgt 360
aaatctatnt ataaaagtcc acacctctc anacag 396

```

```

<210> 78
<211> 396

```



<400> 80  
 tgtacatagg catcttattc actgcaccct gtcacacca gcaccccccg ccccgacat 60  
 tatttgaaag actgggaatt taatggtag ggacagtaaa tctacttctt tttccaggga 120  
 cgactgtccc ctctaaagtt aaagtcaata caagaaaact gtctatcttt agcctaaagt 180  
 aaaggctgtg aagaaaattc attttacatt gggtagacag taaaaaaca gtaaaataac 240  
 ttgacatgag cacctttaga tccttccctt catggggctt tggggccaga atgacctttg 300  
 aggcctgtaa anggattgna atttcctata agctgtatag tggagggatt gngnggtcat 360  
 ttgagtaagc cctccaagat acnttcaata cctggg 396

<210> 81  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 240, 286, 361, 364, 374, 375, 379, 380, 381, 387  
 <223> n = A,T,C or G

<400> 81  
 gcagctgaag ttcagcaggt gctgaatcga ttctcctcgg cccctctcat tccacttcca 60  
 accctccca ttattccagt actacctcag caatttgtgc cccctacaaa tgtagagac 120  
 tgtatacgcc ttcgaggtct tccctatgca gccacaattg aggacatcct gcatttccctg 180  
 ggggagttcg ccacagatat tcgtactcat ggggttcaca tggttttgaa tcaccagggg 240  
 ccgccatcag gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca 300  
 cagaagtggc ataaaaaaaa catgaaggac agatatgttg aagttttcag tgtcagctga 360  
 nganagaaca ttgnngtann ngggggnact ttaaat 396

<210> 82  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 220, 251, 297, 301, 309, 349, 395  
 <223> n = A,T,C or G

<400> 82  
 gactcagaaa tgcagttctc atgaagttca aaagatcgag aatgtttgct atcttggtgg 60  
 agcagccgca gccaaagcaag taacttgtaa aatgaggaat gccatcacc ctcgagtgtc 120  
 catcccacat aacttggggg tagagcaca gcgttcccag gaactactca ccttaccatc 180  
 ttggccgttt catttgcttc caccagttct ggaaagagan ggcctagaag ttcaaaaaaa 240  
 aagtaggaaa ngtgcttttg gagaaaatca cctgctcctc agaactgggc ttacaanctg 300  
 ngaagtacnc tatgtgccac ctaatcctca tatatgacct caagagacnc caataagcat 360  
 atttccacca cggaatgacc agtgcttttg gtaana 396

<210> 83  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 13, 372, 379, 393  
 <223> n = A,T,C or G

<400> 83  
 tttgatttaa ganatttatt atttttttaa aaaaagcaac ttccagggtt gtcattgtac 60  
 aggttttgcc cagtctccta tagcatggta tagtgataac tgatttttta taacaatgac 120  
 tcagaggcat tgaagatcca taactatctt ctgaattatc acagaaagaa gaaagttaga 180  
 agagttaa gtttaagtgt ttaaaaatca tattctaatt cttttaattt gggtatctga 240  
 gtatgataat ataggagagc tcagataaca aggaaaaggc attggggtaa gaacactcct 300  
 tcccacagga tggcattaac agactttttc tgcatatgct ttatatagtt gccaaactaat 360  
 tcacctttta cncagcttna ttttttttta ctnggg 396

<210> 84  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 61, 232, 254, 270, 271, 286, 354, 356, 368, 374, 389, 394  
 <223> n = A,T,C or G

<400> 84  
 tttttacagc aatttttttt tattgatgtt taacctgtat acaaccatac ccattttaag 60  
 ngtacagaca aatgaatttt gacaaattca ttactcatc taatcatcac tataaccatg 120  
 atacagattt ttatcactcc aaaagtccat cctgtgctct ttccaagtcc atcctcctca 180  
 tctgataccc caagccacca ttgttttgct ttctggaact acagttttg gnttttagaa 240  
 tttcatatat ggtngaatac taccatttgn natttggggc tgacgncttt cctccaataa 300  
 tggatttgag aattatctac attttgcatg gatcctgggt tatttatacc aacnanggg 360  
 tattatgnaa aatnggacca caatttgng gcanta 396

<210> 85  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 293, 305, 306, 317, 347, 357, 372, 377, 386, 391  
 <223> n = A,T,C or G

<400> 85  
 cagtgaccgt gtcctaccc agctctgctc cacagcgccc acctgtctcc gccctcggc 60  
 ccctcgcccg gctttgccta accgccacga tgatgttctc gggcttcaac gcagactacg 120  
 aggcgtcatc ctcccgtgc agcagcgct ccccgcccg ggatagcctc tcttactacc 180  
 actcacccgc agactccttc tccagcatgg gctcgctgc aacgcgcagg acttctgcac 240  
 ggacctggcc gctccagtgc caacttcatt ccacggcact gcctctcgac canccggact 300  
 tgcannggtt ggggaanccg cccttgtttc tccgtggccc atctaanacc aaaccntca 360  
 ccttttcgga gneccncccc ctccgntggg nttact 396

<210> 86  
 <211> 396  
 <212> DNA

Feature 1000



<213> Homo sapiens

<220>

<221> misc\_feature

<222> 5, 6, 28, 50, 58, 90, 108, 110, 118, 145, 154, 194, 244,  
285, 292, 300, 312, 315, 342, 344, 346, 359, 374, 378, 380,  
396

<223> n = A,T,C or G

<400> 86

```

ttttnnactg aatgtttaat acatttgnag gaacagaaga aatgcagtan ggattaanat 60
tttataatta gacattaatg taacagatgn ttcatttttc aaagaagntn ccccctntc 120
cctatctttt tttaatcttc cttanagcaa taantagtaa ttactatatt tgggacaag 180
ctgctccact gtgntggaca gtaattatta aatctttatg tttcacatca ttattacctt 240
ccanaattct accttcattt ccctgcacag gttcactgga ctggntcaca ancaaattgn 300
actccactca antanaagag cccaaagaaa ttagagtaac gncnancct atgaattana 360
gacccaaaga tttnaggngn tgattagaaa cataan 396

```

<210> 87

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 231, 277, 285, 296, 341, 351, 372, 377, 380

<223> n = A,T,C or G

<400> 87

```

atggaggcgc tggggaagct gaagcagttc gatgcctacc ccaagacttt ggaggacttc 60
cgggtcaaga cctgcggggg cgccaccgtg accattgtca gtggccttct catgctgcta 120
ctgttcctgt ccgagctgca gtattacctc accacggagg tgcacactga gctctacgtg 180
gacaagtcgc ggggagataa actgaagatc aacatcgatg tactttttcc ncacatgcct 240
tgtgcctatc tgagtattga tgccatggat gtggccngag aacancagct ggatgnggaa 300
cacaacctgt ttaagccacc actagataaa gatgcacccc ngtgagctca nagctgagcg 360
gcatgagctt gngaaantcn aggtgaccgg gtttga 396

```

<210> 88

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 246, 266, 301, 328, 347, 349, 368, 370, 371, 374, 379, 387,  
391

<223> n = A,T,C or G

<400> 88

```

tccagagcag agtcagccag catgaccgag cgccgcgtcc ccttctcgct cctgcggggc 60
cccagctggg accccttccg cgactggtac ccgcatagcc gctcttcgac caggccttcg 120
ggctgccccg gctgccggag gagtgggtcgc agtggttagg cggcagcagc tggccaggct 180
acgtgcgccc cctgcccccc gccgcatcga gagccccgca gtggccgcgc ccgctacagc 240
cgcgcngetc agccggcaac tcacancggg gctcggagat ccgggacact gcggaccgct 300

```

"39602600" 39602600

ngcgcgtgcc ctggatgtca ccactttngc ccggacaact gacggtnana caaggatggg 360  
gggtgganan nccngtaanc caagaanggg naggac 396

<210> 89  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> 37, 76, 230, 295, 306, 333, 346, 370, 376, 377, 395  
<223> n = A,T,C or G

<400> 89  
gagagaacag taaacatcca gccttagcat ctctcangag tactgcagat cttcattagc 60  
tatattcaca tggagnaatg ctattcaacc tatttctctt atcaaaacta attttgtatt 120  
ctttgaccaa tgttcctaaa ttcactctgc ttctctatct caatcttttt cccctttctc 180  
atcttttctc cttttttcag tttctaactt tcaactggttc tttggaatgn tttttctttc 240  
atctcttttc ttttacattt tgggggtgtcc cctctctttt cttaccctct ttctncatcc 300  
ttcttnttct tttgaattgg ctgcccttta tctctcctc tgctgncatc ttcattttctc 360  
ctccctectn ttccnntca ttctactctc tccent 396

<210> 90  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<222> 82, 110, 115, 120, 121, 125, 126, 129, 131, 140, 141, 144,  
145, 146, 148, 149, 150, 153, 154, 157, 158, 160, 161, 163,  
164, 166, 170, 172, 173, 174, 175, 179, 182, 184, 189, 193,  
194, 195, 200, 206, 213, 215, 217, 218, 219, 220, 227  
<223> n = A,T,C or G

<221> misc feature  
<222> 228, 231, 233, 236, 241, 247, 248, 249, 250, 254, 259, 262,  
269, 273, 274, 275, 280, 281, 282, 286, 287, 289, 293, 294,  
301, 302, 304, 309, 311, 318, 319, 324, 325, 330, 331, 333,  
334, 336, 337, 341, 342, 343, 344, 349, 352, 353, 358  
<223> n = A,T,C or G

<221> misc feature  
<222> 361, 365, 367, 373, 377, 381, 385, 386, 387, 392  
<223> n = A,T,C or G

<400> 90  
gggcgcggcg gcgcccccc acccccgccc cactgtctcgt cgcgcgcgcg tccgctgggg 60  
gcggggagcg gtcgggccc cngcggtcgg ccggcggcag ggtgggtgcgn tttcnttttn 120  
nattnnccnc nttcttcttn nttnnncnnn ctntnanncn ntntnttctn cnnnttttnc 180  
tntntcttna cennnttttn taatctctct ctncntnnnn tctcttnnat ntnttcttta 240  
nttctnnnnn tttnttctnt cntttctcnc ctntntctcn nnctcnnenc tenncatatt 300  
nntnttttnt nccttctnnt cttntttctn ntntntttt nnnnttctnt tnttcatntt 360  
ncctntntta ctntcanctt ntatnnccct cntttt 396



<400> 95  
cctcccaccc ncttanttca tgagattcga naatgncact tntgtgctnt ttncntnntn 60

```
<210> 96
<211> 396
<212> DNA
<213> Homo sapiens
```

[illegible]

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<220>
<221> misc_feature
<222> 13, 15, 16, 19, 23, 31, 38, 39, 41, 45, 68, 94, 95, 100,
119, 131, 133, 141, 144, 164, 171, 182, 186, 190, 191, 195,
196, 198, 213, 229, 231, 235, 239, 247, 257, 265, 269, 272,
278, 279, 286, 289, 291, 306, 309, 310, 312, 317, 320
<223> n = A,T,C or G
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[illegible]

<210> 98  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 130, 202, 285, 296, 299, 308, 314, 321, 322, 336, 373  
 <223> n = A,T,C or G

<400> 98  
 acagggacaa tgaagccttt gaagtgccag tctatgaaga ggccgtggtg ggactagaat 60  
 cccagtgccg cccccaagag ttggaccaac cacccttac agcactgttg tgataccccc 120  
 agcacctgan gaggaacaac ctaccatcca gaggggccag gaaaagccaa actggaacag 180  
 aggcgaatgg ctgagagggg tncatggcca agaaggaagc cctggaagaa cttcaatcac 240  
 cttcggtttc gggaccaccg gcttgtgtcc ctgttctgac tgcanaactt ggcgngtnc 300  
 cccattanaa cctntgactc nccccttgct ataagnctgt tttggccctt gatgatgata 360  
 ggggttttat gangacactt gggcaccccc ttaatg 396

<210> 99  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 4, 13, 15, 26, 31, 43, 46, 48, 52, 54, 55, 60, 62, 68,  
 72, 93, 112, 118, 119, 122, 131, 132, 133, 134, 145, 147,  
 152, 157, 163, 164, 186, 190, 225, 231, 239, 246, 247, 250,  
 255, 262, 285, 314, 316, 319, 325, 332, 339, 343, 345  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 348, 351, 352, 355, 357, 361, 370, 387  
 <223> n = A,T,C or G

<400> 99  
 nttntttttc cgcnaaaagg gcaagngttt ncatctttcc tgnccncnca ananngggtg 60  
 tntgtgcntt tnttttttcc caaaaccccg gtnggggaca ctttttgagg anccactnnt 120  
 cntccggggc nnnnttttag aaggngncta anaagcntct tgnnggggga aaaacatctt 180  
 tttgcncccn acataccccc aagggggggg ggtgtctggg agganactaa ngactttnt 240  
 tttttnnccn caaanaactg anggccccca ttgctcccc cccantcttt aaaaaacccc 300  
 ttcaatttcc ttgncnggna aaaanggttg gnaaaaaang agngngcntc nnttncnttt 360  
 natggaaggn aaaagggttt tggttgnaaa accccg 396

<210> 100  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 229, 286, 303, 312, 334, 335, 348, 350, 357, 364, 371, 395  
 <223> n = A,T,C or G

```
<210> 101
<211> 396
<212> DNA
<213> Homo sapiens
```

<400>	101						
agttataact	caacagtttc	tttatatgct	gttcatttaa	cagttcattt	aaacagttca	60	
ttataactgt	ttaaaaaatat	atatgcctta	agncaaaaann	tgttggtggcg	nagttgttgc	120	
cgcttatagc	tgagcattat	ttctttaaat	cttgaatggt	cttttgngng	gntnctaata	180	
ccgtatatga	tccatttttna	tgggaaacng	aattcntnn	attatncac	cttggaata	240	
cnaaacgtgg	gggaaaaaaaa	tcatcccnc	cntccaaaac	tatacttctt	ttatctngan	300	
nttcttgct	ctgcncnggt	ttngaataata	nctgggcaaa	nggntttnc	aaatcentnt	360	
acnntncttt	gggaantanc	ggcaantcnt	cncttt			396	

```
<210> 102
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> 17, 93, 136, 183, 317
<223> n = A,T,C or G
```

<400>	102							
actatacata	agaacangct	cacatgggag	gctggagggtg	ggtaccacgc	tgctgtggaa	60		
cgggatatga	caggtcataa	acctagagt	agngtcctgt	tggcctagcc	catttcagca	120		
ccctgccact	tggagnggac	ccctctactc	ttcttagcgc	ctaccctcat	acctatctcc	180		
ctnctcccc	ctcttacgga	ctggcgccaa	atggctttcc	tgccaathtt	gggatcttct	240		
ctggctctcc	agcctgttta	ctcctctatt	tttaaagggc	caaacaaatc	ccttctcttt	300		
ctcaaacaca	gtaatgnngc	actgacccta	ccacacctca	tgaagggggc	ttgttgcttt	360		
tatttgggcc	cgatctgggg	ggggcaaaa	attttg			396		

<210>	103
<211>	396
<212>	DNA

<400> 105					
tcaatagcca	gccagtggtc	atttttatcc	ttgagctttt	agtaaaaaact	tcctggnttt 60
attttttagtc	attgggtcat	acagcactaa	agtctgctat	ttatggaaac	taactttttt 120
gttttttaatc	caggccaaca	tgtatgtaaa	ttaaattttt	agataattga	ttatctcttt 180
gtactacttg	agatttgatt	atgagatgtg	catattgctt	tgggaagagc	tcgaggaagg 240
aaataattct	ctcctttggt	ttgaacctca	actagataaa	ccctaggaat	tgttaactgc 300









```

nnnnntnnnn nggagcctta atttcagagt tttattgtat tgcactaaag gaacagcagg 60
atggntatac aattttctct cattcagttt tgaaaatctg tagtacctgc aaattcttaa 120
gaataccttt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat 180
gtcttacaaa taaaaacaca tttaaaatag ctttaaattgc attcttcaca agtaattcag 240
catatatattt atatcatggg tacttatgct tangaattnn agcaggatnt ttattctttt 300
gatggaaata tgggaaaact ntattcatgc atatacangg ataattattca gcgaaggga 360
aatccccgtt ttattttggn aatgattcat atataa 396

```

```

<210> 114
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40, 82, 114, 116, 146, 164, 166, 174, 185, 212, 215, 219,
224, 236, 242, 254, 258, 263, 270, 286, 299, 308, 327, 328,
329, 345, 363, 378, 382, 385
<223> n = A,T,C or G

```

```

<400> 114
aaatgggaca acgtgattct tttgttttaa ataaatactn agaacacgga cttggctcct 60
acaagcattt ggactctaag gnttagaact ggagagtctt acccatgggc ccncncagg 120
gacgccacgg ttccctccca ccccgngatc aagacacgga atcngntggc gatngttgga 180
tcgcnatgtg ccccttatct atagccttcc cnggncatnt acangcagga tgcgngtggg 240
anaactacaa ctgnaatntc tcnaacggtn atgggtcccca ccgatnaaga ttctacctng 300
tcttttctc ccttgagtg tgagtgnnng aggaagaagc ccttncctta catcaccttt 360
tgnacttctg aacaaganca anacnatggc cccccc 396

```

```

<210> 115
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 277, 297, 321, 341, 381, 391
<223> n = A,T,C or G

```

```

<400> 115
ccgcctgggt cggcccgctt gcctccactc ctgcctctac catgtccatc agggtgaccc 60
agaagtccca caaggtgtcc acctctggcc ccgggcctt cagcagccgc tcctacacga 120
gtgggcccgg ttcccgcatc agtcctcga gcttctcccg agtgggcagc agcaactttc 180
gcggtggcct ggcggcggct atgggtggggc cagcggcatg ggaggcatca cccgcagtta 240
cggcaaccag agcctgctga gcccttgcc tggaggngga cccaacatc aagccgngcg 300
caccagga aaggagcaga ncaagaccct caacaacaag nttgcttctt catagacaag 360
ggaccgggtc ttgaacagca naacaagatg ntggag 396

```

```

<210> 116
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>

```



<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 251, 281, 298, 301, 308, 326, 332, 337, 351, 358, 362, 388,  
 394  
 <223> n = A,T,C or G

<400> 119  
 atggccagct cactttaaat accacctcaa gactcatoga aatgaccgct ctttcatctg 60  
 tcctgcagaa ggttggtgga aaagcttcta tgtgtgcag aggctgaagg tgcacatgag 120  
 gaccacaaat ggagagaagc cttttatgtg ccatgagtct ggctgtgga agcagtttac 180  
 tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttcctttg 240  
 tgaagcccaa ngatgtggcc gtcctttgct gagtattcta ncttcgaaaa catctggngg 300  
 ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagngg 360  
 angcaggaat gtgcatatta aaaagctncc ttgnac 396

<210> 120  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 261, 263, 265, 272, 273, 288, 308, 310, 330, 379  
 <223> n = A,T,C or G

<400> 120  
 catgggtcag tcggtcctga gagttcgaag agggcacatt cccaaagaca ttcccagtc 60  
 tgaaatgtag aagactggaa aattaagaca ttatgtaaag gtagatatgg cttttagagt 120  
 tacattatgc ttggcatgaa taagggtgcca ggaaaacagt ttaaaattat acatcagcat 180  
 acagactgct gttagaaggt atgggatcat attagataa tctgcagctc tactacgcat 240  
 ttattgttaa ttgagttaca nangncattc annactgagt ttatagancc atattgctct 300  
 atctctgngn agaacatttg attccattgn gaagaatgca gtttaaaata tctgaatgcc 360  
 atctagatgt attgtaccna aaggggaaaa ataaca 396

<210> 121  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 77, 125, 130, 142, 155, 162, 166, 176, 204, 227, 242, 243,  
 245, 246, 249, 251, 252, 265, 279, 306, 310, 314, 336, 341,  
 354, 367, 382, 385, 390, 395  
 <223> n = A,T,C or G

<400> 121  
 tttttttttt ttttttttaa aatcaagtta tgtttaataa acattaataa atgtttactt 60  
 aaaagggtta ataaacnttt actacatggc aaattatttt agctagaatg cttttggctt 120  
 caagnkatan aaaccagatt cnaatgccct taaanaattt tnaaanatcc attgangggg 180  
 ataactgtaa tccccaaggg gaanagggtt gggtatgaca ggtacanggg gccagccag 240







<220>  
 <221> misc\_feature  
 <222> 220, 244, 351, 384  
 <223> n = A,T,C or G

<400> 128  
 gccctttttt ttttttttta aaggcaaata aaataagttt attgggatgt aaccccatca 60  
 taaattgagg agcatccata caggcaagct ataaaatctg gaaaatttaa atcaaattaa 120  
 attctgcttt taaaaagggtg ccttaagtta accaagcatt ttgataacac attcaaattt 180  
 aatatataaa aatagatgta tcctggaaga tataatgaan aacatgccat gtgtataaat 240  
 tcanaatacg ctttttacac aaagaactac aaaaagttac aaagacagcc ttcaggaacc 300  
 acacttagga aaagttagcc gagcagcctt cagcгааagc ctccttcaaa naagtctcac 360  
 aaagactcca gaaccagccg agtntgtgaa aaagga 396

<210> 129  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 104, 164, 177, 204, 217, 234, 273, 312, 350, 353, 370  
 <223> n = A,T,C or G

<400> 129  
 gccctttttt tttttttttt ttttactcag acaggcaata tttgctcaca tttattctct 60  
 tgcacgtgaa atagtagcca actcacaaaa ataaagtata caanaatgta atatttttta 120  
 aaataagatt aacagtgtaa gaaggaaaa ctcaaaaaaa gcanatagac aatgtanaaa 180  
 attgaaatga aatcccacag taanaaaaaaa aaaacanaaa agtgcctatt taanaattat 240  
 gctacatgtg gaacttaact agaccatttt aanaaaagacc aatttctaatt gcaaattttc 300  
 tgagggtttt anattttatt tttaaaatat gttatagcta catgttgctn acncggccgc 360  
 tcgagtctan agggcccgtt taaaccgcgt gatcag 396

<210> 130  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 23, 24, 26, 32, 56, 191, 286, 355  
 <223> n = A,T,C or G

<400> 130  
 cgcccttttt tttttttttt tanngnacgt gncttttatt ctggatgata taaaanaaaa 60  
 aacttaaaaa acaccccaaa ccaaacacca atggatcccc aaagcgatgt gactccctct 120  
 tcccacccgg ataaatagag acttctgtat gtcagtctac cctcccgccc ccataacccc 180  
 ctctgtctata nacatactct gggatatatat tactctactc ggcaatagac atctcccgaa 240  
 aatagaattc ctgccctgac acctgactct tccctggccg catcanacca cccgccactg 300  
 tagcacactg gtgtccttgc cccctgtggt cagggccatg ctgtcatccc acaanaaggc 360  
 cacatttgtc acatggctgc tgtgtccacc gtactt 396

<210> 131

<211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 49, 68, 69, 83, 88, 93, 136, 140, 154, 158, 166, 167, 168,  
 170, 172, 173, 187, 226, 239, 241, 247, 257, 259, 271, 293,  
 301, 318, 334, 336, 342, 344, 357, 377, 384  
 <223> n = A,T,C or G

<400> 131  
 gccctttttt tttttttttt tttttttttt ttcagtttac acaaaaacnc tttaattgac 60  
 agtatacnnt tttccaaaat atnttttngt aanaaaatgc aataattatt aactatagtt 120  
 tttaaaaaca agttnttcan taaattccag tgncttnaa acccnnncn annaaaacat 180  
 atatganccc ccagttcctg ggcaaaactgt tgaacattca ctgcanacaa aaagaccanc 240  
 nccaaanagt catctgngnc ctccatgctg ngtttgacc aaacctgagg gancagctag 300  
 ngaccgtgac aaaagctntg ctacagtttt actntngccc tntntgcctc ccccatnatg 360  
 tttccttggg cctcctcctc tgtnggagta agttcc 396

<210> 132  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 69  
 <223> n = A,T,C or G

<400> 132  
 cgcgtcgacc gcggccgtag cagccggggt ggctctgctg cgagccggcg gcccgagtg 60  
 gggcggcgnt atgtaccttc cacattgagt attcagaaag aagtgatctg aactctgacc 120  
 attctttatg gatacattaa gtcaaataata agagtctgac tacttgacac actggctcgg 180  
 tgagttctgc tttttctttt taatataaat ttattatggt ggtaaattta gcttttggct 240  
 tttcactttg ctctcatgat ataagaaaat gtaggttttc tctttcagtt tgaattttcc 300  
 tattcagtaa aacaacatgc tagaaaacaa acttttggaaggaggattgta actatttttt 360  
 caaatagaac cataataaca agtcttgtct taccct 396

<210> 133  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 17, 18, 20, 21, 25, 26, 30, 31, 40, 44, 45, 46, 51, 52,  
 66, 67, 68, 74, 89, 109, 122, 166, 193, 214, 218, 266, 269,  
 291, 307, 315, 348, 375, 378, 379, 386, 393  
 <223> n = A,T,C or G

<400> 133  
 ntattacccc tcctggnnan ntggnnatan nctgcaagg gatnnncccg nngaacttca 60  
 ctgatnnncc aatnaaaact gctttaaanc tgactgcaca tatgaattnt aatacttact 120

U09100E 336260

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tngcgggagg ggtggggcag ggacagcaag ggggaggatt gggaanacaa tagacaggca 180
tgctggggat gcngcgggct ctatggcttc tgangcgnaa agaaccagct ggggctctag 240
ggggatatccc cagcgccct gtagcngcnc attaaacgcg gcgggtgtgg nggttacttc 300
gcaaagngac cgatncactt gccagcgccc tagctgccg ctcctttngc tttcttcct 360
tcctttctcg ccacnttnnc cggctntccc cgncaa 396

```

<210> 134

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 133, 144, 221, 229, 302, 358

<223> n = A,T,C or G

<400> 134

```

tttttttttt ttctgctttt tatatgttta aaaatctctc attctattgc tgctttattt 60
aaagaaagat tactttcttc cctacaagat ctttattaat tgtaaaggga aaatgaataa 120
ctttacaatg ganacacctg gcanacacca tcttaaccaa agcttgaagt taacataacc 180
agtaatagaa ctgatcaata tcttgtgcct cctgatatgg ngtactaana aaaacacaac 240
atcatgccat gatagtcttg ccaaaagtgc ataacctaaa tctaatcata aggaaacatt 300
anacaaactc aaattgaagg acattctaca aagtgccttg tattaaggaa ttattcanag 360
taaaggagac ttaaaagaca tggcaacaat gcagta 396

```

<210> 135

<211> 396

<212> DNA

<213> Homo sapiens

<400> 135

```

gcgtcgacgc tggcagagcc acaccccaag tgctgtgcc cagagggcct cagtcagctg 60
ctcactcttc cagggcactt ttaggaaagg gtttttagct agtgtttttc ctgcgtttta 120
atgacctcag ccccgctgc agtggctaga agccagcagg tgcccatgtg ctactgacaa 180
gtgcctcagc ttcccccccg cccgggtcag gccgtgggag ccgctattat ctgcgttctc 240
tgccaaagac tcgtgggggc catcacacct gccctgtgca gcggagcccg accaggctct 300
tgtgtcctca ctcagggttg cttccccctg gccactgtc gtatgatctg ggggccacca 360
ccctgtgccg gtggcctctg ggctgcctcc cgtggg 396

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<210> 136

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 18, 185, 188, 191, 193, 396

<223> n = A,T,C or G

<400> 136

```

ttatgcttcc ggctcgntg ttgtgtggaa ttgtgagcg ataacaattt cacacaggaa 60
acagctatga ccatgattac gccaaagctat ttaggtgaca ctatagaata ctcaagctat 120
gcatcaagct tggtagcgag ctcgatcca ctagtaacgg ccgccagtgt gctggaattc 180
gcggncgntc nantctagag ggcccgttta aaccgcgtga tcagcctcga ctgtgccttc 240

```

tagttgccag ccatctgttg tttgcccctc ccccgctgct tccttgacct tggaaggtgc 300  
 cactcccact gtcctttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg 360  
 tcattctatt ctgggggggtg ggggtggggca ggacan 396

<210> 137  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 156, 216  
 <223> n = A,T,C or G

<400> 137  
 tttttttttt ttctgctttg tacttgagtt tatttcacaa aaccacggag aaagatactg 60  
 aaatggagct ctttccagcc tccaagcaag gaggccccag cagccagtct ccagcccctt 120  
 gagccctttt tgtaggccc acacccaaaa gagganaacc agtgtgtgcg cgaaggtaca 180  
 tggcaaggca cttttgaaaa catcccagtt taccgnggtg aaattgaact tactctgaaa 240  
 cagatgaaaa gggacatgca aaattgctga gcacatggag gtgtttgtta gtaggtgaaa 300  
 atcatgtcct ggggtataacc cagcttctcc aggttagggg gagccgccgt ctggatcagt 360  
 ggtggcgggc cacacaccag gatgagcgtg gacttc 396

<210> 138  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 69, 136, 265, 272  
 <223> n = A,T,C or G

<400> 138  
 cccttttttt ttttttttac aaatgagaaa aatgtttatt aagaaaacaa ttagcagct 60  
 ctcctttana attttacaga ctaaagcaca acccgaaggc aattacagtt tcaatcatta 120  
 acacactact taaggngctt gcttactcta caactggaaa gttgctgaag tttgtgacat 180  
 gccactgtaa atgtaagtat tattaaaaat tacaaattgt ttggtgatta ttttgatgac 240  
 ctcttgagca gcagctcccc ccaanaatgc ancaatggta tgtggctcac cagctccata 300  
 tcggcaaaaat tcgtggacat aatcatcttt caccattaca gataaaccat attcctgaag 360  
 gaagccagtg agacaagact tcaactttcc tatatc 396

<210> 139  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 51, 105, 126, 147, 210, 212, 236, 241, 258, 263, 348  
 <223> n = A,T,C or G

<400> 139  
 ccgccctttt tttttttttt ttcacaaaag cactttttat ttgaggcaaa nagaagtctt 60

acgcaggaga	ggaagcccag	cctgttctac	cagagaactt	gcccaggtca	gaggtcttgc	360
tagaagccct	tttctgagca	tcctctcctc	tcctcacacc	tgccactgtc	ctctgcgttg	120
ctgtcgaatt	aaatcttgca	tcaccatggg	gcacttctgt	ggcctactca	ccctccaccg	180
ggagccagtg	ccgctgaaga	gtatctctgt	gagcgtgaac	atttacgagt	ttgtggctgg	240
tgtgtctgca	actttgaact	acgagaatga	ggagaaagtt	cctttggagg	ccttctttgt	300
gttccccatg	gatgaagact	ctgctgttta	cagctttgag	gccttggtgg	atgggaagaa	360
aattgtagca	gaattacaag	acaagatgaa	ggccccg			396

```
<400> 145
tttttttttt tttttttcaa tggatccggt agctttacta ctaanatctt gctganatca 60
nanaagggct tctgggcagg ctgagcactg ggggtgtgca acatggtaac tctgaataan 120
anaaacctct agttttactg ggcaanaaaa naacaagngg taggtatgat ttctgaacct 180
```

ggaaatagcg aaaatgaagg aaattccaaa agcgcgtatt tccaaataat gacaggccag 240  
 caagaggaca ccaaacctnt anaaagaggt attntttctt ccagctactg atggctttgg 300  
 catccacag gcacattcct ttggccttca ggatcttana tgcanatgtg ganagtcaag 360  
 aggtaggctg actctgagtc ttcagctaaa ttcttt 396

<210> 146

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 120, 130, 176, 180, 185, 208, 238, 254, 259, 261, 275, 285,  
 296, 347

<223> n = A,T,C or G

<400> 146

tttttttttt ttttcattag caaggaagga tttatttttt cttttgaggg gagggcggaa 60  
 cagecgggat ttttggaaca ctacctttgt ctttcacttt gttgtttgtg tgtaacacn 120  
 aataaatcan aagcgacttt aaatctccct tcgcaggact gtcttcacgt atcagngcan 180  
 acaanaaaac agtggcttta caaaaaanat gttcaagtag gctgcacttt gcctctgngg 240  
 gtgaggcaca ctgngggana nacaaggtcc cctgnaacca gagnggggaa ggacanagct 300  
 ggctgactcc ctgctctccc gcattctctc ctccatgtgt tttgaanagg gaagcaacat 360  
 gttgaggtct gatcatttct acccagggaa cctggt 396

<210> 147

<211> 396

<212> DNA

<213> Homo sapiens

<400> 147

acggggaagc caagtgaccg tagtctcatc agacatgagg gaatgggtgg ctccagagaa 60  
 agcagacatc attgtcagtg agcttctggg ctcatattgct gacaatgaat tgtcgctga 120  
 gtgctgggat ggagcccagc acttcctaaa agatgatggg gtgagcatcc ccggggagta 180  
 cacttccttt ctggctccca tctcttcctc caagctgtac aatgaggtcc gagcctgtag 240  
 ggagaaggac cgtgaccctg aggccaggtt tgagatgcct tatgtgttac ggctgcacaa 300  
 cttccaccag ctctctgcac cccagccctg tttcaccttc agccatccca acagagatcc 360  
 tatgattgac aacaaccgct attgcacctt ggaatt 396

<210> 148

<211> 396

<212> DNA

<213> Homo sapiens

<400> 148

acgtcccatg attgttccag accatgactc ttcctgggtg tgggtttgtt acagagcagg 60  
 agaagcagag gttatgacag ttatgcagac tttccccctc ctttttctct tttctcttcc 120  
 ccttgctttt ccactgtttc ttctgtctgc cacctggggc ttgaattcct gggctgtgaa 180  
 gacatgtagc agctgcaggg tttaccacac gtgggagggc agcccagtac tgtccctctg 240  
 ccttccccac tttgagaata tggcagcccc tttcattcct ggcttggggg aggggagacc 300  
 attgaagtag aagcctcaaa gcagactttt ccctttactg tgtgtactcc aggacgaaga 360  
 aggaagatca tgcttgatac ttagattggt tttccc 396

<210> 149

```
<220>  
<221> misc_feature  
<222> 214, 295  
<223> n = A,T,C or G
```

```
<400> 149
tttttttttt tttaaagagt cacattttat tcaatgccta tttgtacatg ttactagcaa 60
taaaactcttt tatctttaat tttgagaagt ttacaataa cagcaaaagca gaatgactaa 120
tagagccgggt aaccaggaca cagattttgga aaaaatagtc taattggttg ttacactgtg 180
tttatgtcat acatttcgct tatttttattc aaanaaaaaat cagaatttat aaaatgttaa 240
ttaaaaaggaa aacattctga gtaaatttag tcccgtgttt ctccctccaa atctntttgt 300
tctacactaa caggtcagga taagtatgga tggggaggct ggaaaaaggg catcctccc 360
catqcqgtcc ccagagccac cctctccaag caggac 396
```

```
<210> 150
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<400> 150  
acgcctctct tcagttgga cccaaacatc tggattggcaaatcagtggaagaagtcc60  
agcatctgga cttttcagaa ttgatcttaa gtctaactgtc attccagat gcattatttt120  
acaactgtat ccttggaat atatttctag ggagaatat attgaagaaa atgttaatag180  
cctgagtcaa atttcagcag acttaccagg atttgtatca gtggtagcaa atgaagccaa240  
actgtatctt gaaaaacctg ttgttccttt aaatatgatg ttgccacaag ctgcattgga300  
gactcattgc agtaatattt ccaatgtgcc acctacaaga gagatacttc aagtctttct360  
tactgatgta cacatgaagg aagtaattca gcagtt396
```

```
<210> 151
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 146, 299, 332
<223> n = A,T,C or G
```

```
<400> 151
acaaaatgcc cagcctacag agtctgagaa ggaaatttat aatcagggtga atgtagtatt 60
aaaagatgca gaaggcatct tggaggactt gcagtcatac agaggagctg gccacgaaat 120
acgagaggca atccagcatc cagcanatga gaagttgc aa gagaaggcat ggggtgcagt 180
tgttccacta gtaggcaa ataaagaatt ttacgaat tttctcagaggt tagaagcagc 240
attaagaggt ctcttgggag ccttaacaag tactccatat tctcccacc agcatctana 300
tgcgagcgag gctcttgcta aacagtttgc anaaattctt catttcacac tcCGgtttga 360
tgaaactcaag atgacaaatc ctgccataca gaatga                                     396
```

<210>	152
<211>	396
<212>	DNA





<220>  
 <221> misc\_feature  
 <222> 15, 17, 202, 280, 339  
 <223> n = A,T,C or G

<400> 155  
 tttttttttt tgaananaca ggtctttaat gtacggagtc tcacaaggca caaacaccct 60  
 caccaggacc aaataaataa ctccacggtt gcaggaaggc gcggtctggg gaggatgcgg 120  
 catctgagct ctcccagggc tgggtgggca gccgggggtc tgcagtctgt gaggggcctc 180  
 ctgggtgtgt ccgggcctct anagcgggtc cagtctccag gatggggatc gctcactcac 240  
 tctccgagtc ggagtagtcc gccacgaggg aggagccgan actgcagggg tgccgcgtgt 300  
 cgggggtgtc agctgcctcc tgggaggagc ctgctggcna caggggcttg tcctgacggc 360  
 tcccttctctg cccctcggg ctgctgcact tggggg 396

<210> 156  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 11, 30, 32, 37, 309, 332  
 <223> n = A,T,C or G

<400> 156  
 gaaggggggc ngggcagggg cggaatgtan anattantgc catgattgaa gatttaagaa 60  
 acgtgagatt caggattttc accacatccc catttagtta gcttgctcgt ttggctggtg 120  
 caaatgccag atggattatg aacaatgaca gtaaattaat gcaacataat caggtaatga 180  
 tgccaagcgt atctggtgtt ccaggtattg tacctttacc ggaacaaatc agtaaattcca 240  
 caatccctgg cacctgttag gcagctatta acctagttaa tgctcccca tcccatctca 300  
 atcagcaang acaatcaaaa acatttgctt tnagtggcag gaacactggt acatttttac 360  
 ttgctccaag ggctgtgcca acgctccctc tctctg 396

<210> 157  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 121, 202, 204, 255, 314, 332, 368  
 <223> n = A,T,C or G

<400> 157  
 tttttttttt tttttgggga atgtaaatct tttattaaaa cagttgtctt tccacagtag 60  
 taaagctttg gcacatacag tataaaaaat aatcacccac cataattata ccaaattcct 120  
 nttatcaact gcatactaag tgttttcaat acaatttttt ccgtataaaa atactgggaa 180  
 aaattgataa ataacaggta ananaaagat atttctaggg aattactagg atcatttgga 240  
 aaaagtgagt actgnggata tttaaaatat cacagtaaca agatcatgct tgttcctaca 300  
 gtattgcggg ccanacactt aagtgaaagc anaagtgttt ggggtgacttt cctacttaaa 360  
 attttgnca tatcatttca aaacatttgc atcttg 396

<210> 158  
 <211> 396

<213> Homo sapiens

<400> 158						60
tttccgaaga	cgggcagctt	cagagaagag	gattattcgg	gagattgctg	gtgtggccca	120
tagactcttt	ggcatagact	ctttcgcagg	cagccactct	gagtggtggc	agttctataa	180
ccatccccaa	actagcttga	gctctgatga	taggaacggg	tagtgtgtcc	tcttcccat	240
aaaaatgttc	caaaaagtta	tctccagaga	gagtccctta	tgaagacagt	tgccaagctg	300
tattctcatt	ctttaaacca	ataccaggt	cagggctagt	tcacactagc	actgttaggg	360
acatggtgtg	gctagaaatg	aattgagtg	gacttctccc	tacaacccca	ggcccaggga	396
taggaggagg	cagaggggtg	cctggagttt	ctgcac			

<211> 396

<213> Homo sapiens

[illegible]

<211> 396

<213> Homo sapiens

<221> misc feature

```
<221> misc_feature
<222> 96, 102, 122, 124, 129, 146, 148, 184, 189, 196, 205, 208,
229, 246, 259, 261, 269, 272, 281, 297, 305, 308, 327, 331,
337, 338, 339, 343, 346, 354, 366, 367, 369, 378, 379, 380,
381, 391, 395
```

$\langle 223 \rangle$  n = A, T, C or G

<400>	160						
ggaaaccttc	tcaactaaga	gaacatcatt	tctggcaaac	tatttttggt	agctcacaat	60	
atatgtcgta	cactctacaa	tgtaaatagc	actgnccac	ancttacaga	aggtaaaaag	120	
angnataana	acttccttta	caaaanantt	cctgntgttc	ttaatactcc	ccattgctta	180	
tganaattnt	ctatangtct	ctcanganng	ttcgcacca	tttctttnt	aacttctact	240	
aaaaancct	ttacattgna	nagtgtacna	cntatatttg	ngagctaaca	aaaaatngtt	300	
tccnganat	gatgttcttt	tagtttnaga	nggttcnnnc	aanttnctac	tccngcccgc	360	
cactgnncnc	cacatttnnn	naattacacc	ncacng			396	

<211> 396

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc\_feature  
 <222> 271, 273, 325, 364  
 <223> n = A,T,C or G

<400> 161  
 tttttgtttg attattttta ttataatgaa attaaactta tgactattac agtatgctca 60  
 gcttaaaaca tttatgagta ctgcaaggac taacagaaac aggaaaaatc ctactaaaaa 120  
 tatttgttga tgggaaatca ttgtgaaagc aaacctccaa atattcattt gtaagccata 180  
 agaggataag cacaaccata tgggaggaga taaccagtct ctcccttcat atatattctt 240  
 ttttatttct tggatatacct tcccaaaaaca nanacattca acagtagtta gaatggccat 300  
 ctcccaacat tttaaaaaaa ctgcnccccc caatgggtga acaaagtaaa gagtagtaac 360  
 ctanagtcca gctgagtaag ccactgtgga gcctta 396

<210> 162  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 33, 38, 51, 62, 71, 72, 88, 97, 98, 100, 106, 142, 155, 160,  
 161, 163, 168, 170, 174, 183, 190, 194, 203, 214, 216, 231,  
 232, 241, 242, 252, 258, 260, 264, 265, 267, 276, 278, 282,  
 287, 289, 292, 295, 297, 301, 311, 319, 322, 325  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 330, 337, 341, 342, 347, 348, 354, 356, 361, 367, 368, 375,  
 379, 385, 391, 394, 395  
 <223> n = A,T,C or G

<400> 162  
 tttttttttt tttttttttt tttttttttt ttnggggncc aaattttttt ntttgaagga 60  
 angggacaaa nnaaaaaact taaggggntg ttttggnnncn acttanaaaa aagggaaagg 120  
 aaaccccaac atgcatgccc tnccttgggg accanggaan ncncccnncn ggtntgggga 180  
 aantaaccn agnnttaact ttnattatca ctgncnccca gggggggctt nnaaaaaaaaa 240  
 nnttcccca anccaaantn gggnnncccc attttncnca anttggncnc cnggncnccc 300  
 nattttttga ngggtttcnc cngcncattn agggaanggg nntcaannaa accncncaaa 360  
 nggggggnnat tttnttcang ggccnatttg ngcnnt 396

<210> 163  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 163  
 cactgtccgg ctctaacaca gctattaagt gctacctgcc tctcaggcac tctcctcgcc 60  
 cagtttctga ggtcagacga gtgtctgcga tgtcttcccg cactctattc cccagcctc 120  
 tttctgcttt catgctcagc acatcatctt cctaggcagt ctcttcccca aagtctcacc 180  
 ttttcttcca atagaaaatt ccgcttgacc tttggtgcac tgcccacttc ccagctccac 240  
 tggcccaagt ctgagccgga ggcccttgtt ttgggggcgg ggggagagtt ggatgtgatt 300  
 gcccttgaag aacaaggctg acctgagagg ttcttggcgc cctgaggtgg ctcagcacct 360  
 gcccagggtg ggcctggcat gagggggttag gtcagc 396

```

<400> 166
ttttttcaaa ttcagagcat ttttattaaa agaacaaaat attaaggcac aaaatacatc 60
aatttttcaa atgaaaaccc ttcaaacggt tatgtcctac attcaacgaa acttcttcca 120
aattacggaa taatttaact ttttaaaata naaaaataca agttcttaaa tgccataaaat 180
ttctcccaa ataaatgttt tcttagtttt aatgaagtct cttcatgcag tactgagctc 240
caatattata atgtncactt ccttaaaaaat ctagttttgc cacttatata cattcaatat 300
gtttaaccag tatattaacc agtatattaa ccaatatgtt aaacttcttt taagtataag 360
gcttggtatt ttgtattgct tattgcacgc ttgat                                     396

```

<210>	170
<211>	396
<212>	DNA

<213> Homo sapiens

<400> 170

```

tgagaagtac catgccgctt ctgcagagga acaggcaacc atcgaacgca acccctacac 60
catcttccat caagcactga aaaactgtga gcctatgatt gggctgggtac ccacccctcaa 120
gggaggccgt ttctaccagg tccctgtacc cctacccgac cggcgtcgcc gcttcctagc 180
catgaagtgg atgatcactg agtgccggga taaaaagcac cagcggacac tgatgccgga 240
gaagctgtca cacaagctgc tggaggcttt ccataaccag ggccccgtga tcaagaggaa 300
gcatgacttg cacaagatgg cagaggccaa ccgtgccctg gccactacc gctggtggta 360
gagtctccag gaggagccca gggccctctg cgcaag 396

```

<210> 171

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 133, 224, 260, 264, 268, 279, 283, 317, 322, 338, 360, 370, 371, 378

<223> n = A,T,C or G

<400> 171

```

ggtcctcgctc gtggtgagcg cagccactca ggctggctct ggggggtgggg ctgtagggga 60
aagtgtctaaa gccgctgagt gaagtaagaa ctctgctaga gaggaaaatg ggcttgcttt 120
catcatcatc ctctcagct ggtgggttca agtggggaagt tctgtcactg ggatctgggt 180
cagtgtctca agaccttgcc ccaccacgga aagccttttt cacntacccc aaaggacttg 240
gagagatggt agaagatggn tctnaaanat tcctctgcna atntgttttt agctatcaag 300
tggtctcccc ccttaancag gnaaaacatg atcagcangt tgctcggatg gaaaaactan 360
cttggtttgn naaaaaanct ggaggcttga caatgg 396

```

<210> 172

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 239, 242, 244, 246, 249, 257, 260, 314, 329, 355, 372, 378, 385, 387, 388, 395

<223> n = A,T,C or G

<400> 172

```

agccttgggc caccctcttg gagcatctgg ctgtcgaatt cttgtgacct tgttacacac 60
actggagaga atgggcagaa gtcgtggtgt tgcagccctg tgcatggggg gtgggatggg 120
aatgaacaat tgtgttcaga gagaatgaat tgcttaaaact ttgaacaacc tcaatttctt 180
tttaactaa taaagtacta ggttgcaata tgtgaaaaaa aaaaaaaaaa ggcggccgnt 240
cnantntana gggcccnttn aaaccctgtg atcaacctcg actgtgcctt ctagtgtcca 300
gccatctggt gtingccctt ccccgctgnc tttcttgacc ttgaaagggg ccccnccctt 360
gtctttccta anaaaaanga agaantnncc ttccnt 396

```

<210> 173

<211> 396

<212> DNA

133 224 260 264 268 279 283 317 322 338 360 370 371 378

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 209, 210, 232, 244, 270, 275, 284, 341, 343, 349, 359, 364, 368, 376, 380, 382, 388, 389, 390, 392

<223> n = A,T,C or G

<400> 173

```
aagcatgtgg atatgttttag ctacgttttac tcacagccag cgaactgaca ttaaaataac 60
taacaaacag attcttttat gtgatgctgg aactcttgac agctataatt attattcaga 120
aatgactttt tgaaagtaaa agcagcataa agaatttgtc acaggaaggc tgtctcagat 180
aaattatggt aaaattttgc aggggacann ctttttaaga cttgcacaat tnccggatcc 240
tgcnctgact ttggaaaagg catatatgtn ctagnggcat gganaatgcc ccatactcat 300
gcatgcaaat taaacaacca agtttgaatc tttttggggg ngngctatnc ttaaacccng 360
tacngcntt attatntaan gncctggnn cntgtg 396
```

<210> 174

<211> 924

<212> DNA

<213> Homo sapiens

<400> 174

```
cctgacgacc cggcgacggc gacgtctctt ttgactaaaa gacagtgtcc agtgctccag 60
cctaggagtc tacggggacc gcctcccgcg ccgccaccat gcccaacttc tctggcaact 120
ggaaaatcat ccgatcggaa aacttcgagg aattgctcaa agtgctgggg gtgaatgtga 180
tgctgaggaa gattgctgtg gctgcagcgt ccaagccagc agtggagatc aaacaggagg 240
gagacacttt ctacatcaaa acctccacca ccgtgcgcac cacagagatt aacttcaagg 300
ttggggaggga gtttgaggag cagactgtgg atgggaggcc ctgtaagagc ctggtgaaat 360
gggagagtga gaataaaatg gtctgtgagc agaagctcct gaaggagag ggcccaaga 420
cctcgtggac cagagaactg accaacgatg gggaactgat cctgaccatg acggcggatg 480
acgttgtgtg caccagggtc tacgtccgag agtgagtggc cacaggtaga accgcggccg 540
aagcccacca ctggccatgc tcaccgccct gcttactgc cccctccgtc ccaccccctc 600
cttctaggat agcgtcccc ttaccccagt cacttctggg ggtcactggg atgcctcttg 660
cagggtcttg ctttctttga cctcttctct cctcccctac accaacaag aggaatggct 720
gcaagagccc agatcaccca ttccgggttc actccccgcc tcccaagtc agcagtccta 780
gccccaaacc agcccagagc agggctcttc taaaggggac ttgagggcct gagcaggaaa 840
gactggccct ctagcttcta ccctttgtcc ctgtagccta tacagttag aatatttatt 900
tggttaatttt attaaaatgc tttta 924
```

<210> 175

<211> 3321

<212> DNA

<213> Homo sapiens

<400> 175

```
atgaagattt tgatacttgg tatttttctg tttttatgta gtaccccagc ctgggcgaaa 60
gaaaagcatt attacattgg aattattgaa acgacttggg attatgcctc tgaccatggg 120
gaaaagaaac ttatttctgt tgacacggaa cattccaata tctatcttca aaatggccca 180
gatagaattg ggagactata taagaaggcc ctttatcttc agtacacaga tgaaaccttt 240
aggacaacta tagaaaaacc ggtctggcct ggggttttag gccctattat caaagctgaa 300
actggagata aagtttatgt acacttaaaa aaccttgccct ctaggcccta cacctttcat 360
tcacatggaa taacttacta taaggaacat gagggggcca tctaccctga taacaccaca 420
gattttcaaa gagcagatga caaagtatat ccaggagagc agtatacata catgttgctt 480
```

1097099E 1097099E



gccactgaag aacaaagtcc tggggaagga gatggcaatt gtgtgactag gatttaccat 540  
 tcccacattg atgctccaaa agatattgcc tcaggactca tcggaccttt aataatctgt 600  
 aaaaaagatt ctctagataa agaaaaagaa aaacatattg accgagaatt tgtggtgatg 660  
 ttttctgtgg tggatgaaaa tttcagctgg tacctagaag acaacattaa aacctactgc 720  
 tcagaaccag agaaagttga caaagacaac gaagacttcc aggagagtaa cagaatgtat 780  
 tctgtgaatg gatacacatt tgggaagtct ccaggactct ccatgtgtgc tgaagacaga 840  
 gtaaaatggt acctttttgg tatgggtaat gaagttgatg tgcacgcagc tttctttcac 900  
 gggcaagcac tgactaacia gaactaccgt attgacacia tcaacctctt tctgtctacc 960  
 ctgtttgatg cttatatggt ggcccagaac cctggagaat ggatgctcag ctgtcagaat 1020  
 ctaaaccatc tgaaagccgg tttgcaagcc tttttccagg tccaggagtg taacaagtct 1080  
 tcatcaaagg ataatatccg tgggaagcat gttagacact actacattgc cgctgaggaa 1140  
 atcatctgga actatgctcc ctctggtata gacatcttca ctaaagaaaa cttaacagca 1200  
 cctggaagtg actcagcggg gttttttgaa caaggtacca caagaattgg aggcctttat 1260  
 aaaaagctgg tttatcgtga gtacacagat gctctcttca caaatcgaaa ggagagaggc 1320  
 cctgaagaag agcatcttgg catcctgggt cctgtcattt gggcagaggt gggagacacc 1380  
 atcagagtaa ccttccataa caaaggagca tatccctca gtattgagcc gattggggtg 1440  
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 agtgtgcctc cttcagcctc ccatgtggca cccacagaaa cattcaccta tgaatggact 1560  
 gtcccccagg aagtaggacc cactaatgca gatcctgtgt gtctagctaa gatgtattat 1620  
 tctgctgtgg atcccactaa agatatattc actgggctta ttgggccaat gaaaatatgc 1680  
 aagaaaggaa gtttacatgc aaatgggaga cagaaagatg tagacaagga attctatttg 1740  
 tttctacag tatttgatga gaatgagagt ttactcctgg aagataatat tagaatgttt 1800  
 acaactgcac ctgatcaggt ggataaggaa gatgaagact ttcaggaatc taataaaatg 1860  
 cactccatga atggattcat gtatgggaat cagccgggtc tctactatgtg caaaggagat 1920  
 tcggctcgtgt ggtacttatt cagcgccgga aatgaggccg atgtacatgg aatatacttt 1980  
 tcaggaaaca catatctgtg gagaggagaa cggagagaca cagcaaacct cttccctcaa 2040  
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 cagtctgagg attccacctt ctacctggga gagaggacat actatatgc agcagtggag 2220  
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 cagaatgttt caaatgcatt tttagataag ggagagtttt acataggctc aaagtacaag 2340  
 aaagttgtgt atcggcagta tactgatagc acattccgtg ttccagtggg gagaaaagct 2400  
 gaagaagaac atctgggaat tctaggtcca caacttcatg cagatgttgg agacaaagtc 2460  
 aaaattatct ttaaaaacat ggccacaagg cctactcaa tacatgcccc tggggtacaa 2520  
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 atcccagaaa gatctggagc tggacacagag gattctgctt gtattccatg ggcttattat 2640  
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 cgaagacctt acttgaaagt attcaatccc agaaggaagc tgggaatttgc ccttctgttt 2760  
 ctagtttttg atgagaatga atcttggtac ttagatgaca acatcaaaac atactctgat 2820  
 caccocgaga aagtaaacia agatgatgag gaattcatag aaagcaataa aatgcatgct 2880  
 attaatggaa gaatgttttg aaacctacia ggcctcacia tgcacgtggg agatgaagtc 2940  
 aactggtatc tgatgggaat gggcaatgaa atagacttac acactgtaca ttttcacggc 3000  
 catagcttcc aatacaagca caggggaggt tatagttctg atgtcttga cattttccct 3060  
 ggaacatacc aaaccctaga aatgtttcca agaacacctg gaatttggtt actccactgc 3120  
 catgtgaccg accacattca tgtgggaatg gaaaccactt acaccgttct acaaaatgaa 3180  
 gacacaaat ctggctgaat gaaataaatt ggtgataagt ggaaaaaaga gaaaaaccaa 3240  
 tgattcataa caatgtatgt gaaagtgtaa aatagaatgt tactttggaa tgactataaa 3300  
 cattaaaaga gactggagca t 3321

<210> 176

<211> 487

<212> DNA

<213> Homo sapiens

gaaatacttt	ctgtcttatt	aaaattaata	aattattggt	ctttacaaga	cttgataca	60
ttacagcaga	catggaaata	taattttaaa	aaatttctct	ccaacctcct	tcaaattcag	120
tcaccactgt	tatattacct	tctccaggaa	ccctccagtg	gggaaggctg	cgatattaga	180
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<213> Homo sapiens

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<211> 1069

<212> DNA

<213> Homo sapiens

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1069

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 <212> DNA  
 <213> Homo sapiens

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<211> 2377

<212> DNA

<213> Homo sapiens

<400> 181

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<211> 1370

<212> DNA

<213> Homo sapiens

<400> 182

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 <223> n = A,T,C or G

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 ttttatgtca aatttttttt cttagaagta gtcttcatta ttataaatgt gtacaccaaa 180  
 aggccatggg gaactttgtg caagtacctc atcgctgagc aaatggagct tgctatgttt 240  
 taatttcaga aaatttcctc atatacgtag tgtgtagaat caagtctttt aataattcat 300  
 tttttcttca taatatttac tcaaagttaa gcttaaaaaa aagttttatc ttaaaatcat 360  
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 cagttattct ggtaaaaaata ggcaaaagtg acctgaatct acaatgggtg cccaaagtaa 480  
 ccaagtaaga gagattgtaa atgataaacc gagcttttaa ggataaagtg ttaataaaga 540  
 aagggaagctg ggcacatgtc aaaaagggag atcgaaatgt taggtaatca tttagaaagg 600  
 acagaaaata tttaaagtgg ctcataggta atgaatattt ctgacttaga tgtaaatcca 660  
 tctggaatct ttacatcctt tgccagctga aacaagaaaag tgaagggaca atgatatttc 720  
 atggtcagtt tattttgtaa gagacagaag aaattatata tatacattac cttgtagcag 780  
 cagtacctgg aagccccagc ccgtcacaga agtgtggagg ggggctcctg actagacaat 840  
 ttccctagcc cttgtgattt gaagcatgaa agttctggca gggtatgagc agcactaggg 900

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<210> 189
<211> 460
<212> DNA
<213> Homo sapiens
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<210> 190
<211> 481
<212> DNA
<213> Homo sapiens
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<210> 191
<211> 489
<212> DNA
<213> Homo sapiens
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<400> 191  
atataaatta gactaagtgt ttccaataa atctaaatct tcagcatgat gtgttggtga 60

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 tcttgagttg tttaaacagt caaaatgttt gatattttat accagcttat gagctcaaag 180  
 tactacagca aagcctagcc tgcataatcat tcacccaaaa caaagtaata gcgcctcttt 240  
 tattattttg actgaatgtt ttatggaatt gaaagaaaca tacgttcttt tcaagacttc 300  
 ctcatgaatc tntcaattat aggaaaagt attgtgataa aataggaaca gctgaaagat 360  
 tgattaatga actattgtta attcttccta ttttaatgaa tgacattgaa ctgaattttt 420  
 tgtctgttaa atgaacttga tagctaataa aaagncaact agccatcaaa aaaaaaaaaa 480  
 aaaaaaaaaa 489

<210> 192

<211> 516

<212> DNA

<213> Homo sapiens

<400> 192

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 gcttgatgac atgctaactc tggctttcag ctctggagt ctgtgctcag attcagaaga 180  
 ggaaatgaaa gcattagaag cagatttctt gaccaatatg catacatcaa agattagtaa 240  
 agcacatgtt cctcttgga agatgactct gctaaatgtt tgcagtcttg taaataattt 300  
 gaacagccca gctgaggaaa caggagaagt tcatgaagag gagcttggtg caagaaggaa 360  
 cttcttactg cttagatgg cttagcttg gaagcaatgt tgacaatata ccagctccac 420  
 aaaatctgtc acagcagggc ttttcaacac tgggagttaa tccaggaaga tattcttgat 480  
 actggaaatg acaaaaatgg aaaggaagaa gtcata 516

<210> 193

<211> 1409

<212> DNA

<213> Homo sapiens

<400> 193

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 gtgatctgaa atcttgggag aagctgttct tttcaggcct gaggtgctct tgactgtcgc 180  
 ctgcgcactg tgtaccccgga gcaacattct aagggtgtgc tttcgcttg gctaactcct 240  
 ttgacctcat tcttcatata gtagtctagg aaaaagttgc aggtaattta aactgtctag 300  
 tggtagatag taactgaatt tctattccta tgagaaatga gaattattta ttgccatca 360  
 acacatttta tactttgcat ctccaaatth attgcggcga gacttgtcca ttgtgaaagt 420  
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 ggagaacaca atccaccatt gtcatttaag taataagaca ggaaattgac ctgacgctt 600  
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 ttgcatgttc tcttcttttc acttttttca gtgtctacat ttcagaccga gtttgcagc 1020  
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 ttaaggattc aactcgtgat acaccaaaag aagagttgac ttcagagatg tgttccatgc 1200  
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 caaaggaaaa gtgaaaggga aagagaaaca agtgactgag aagtcttggt aaggaatcag 1320  
 gttttttcta cctggtaaac attctctatt cttttctcaa aagattgttg taagaaaaaa 1380

tgtaagmcaa aaaaaaaaaa aaaaaaaaaa

1409

<210> 194  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 194  
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 aactggccgt aatgtggaat tgatatttac attttgatac ggtttttttc ttggcctgtg 180  
 tacgggattg cctcatcttc tgctctgaat tttaaaatta gatattaaag ctgtcatatg 240  
 gtttcctcac aaaagtcaac aaagtccaaa caaaaatagt ttgccgtttt actttcatcc 300  
 attgaaaaag gaaattgtgc ctcttgtagc ctaggcaaag gacatttagt actatcgatt 360  
 ctttccaccc tcacgatgac ttgcggttct ctctgtagaa aagggatggc ctaagaaata 420  
 caactaaaaa aaaaaaaaaa a 441

<210> 195  
 <211> 707  
 <212> DNA  
 <213> Homo sapiens

<400> 195  
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 acagctccaa ggaagacatg tcctatttag ttattcaaat acaagttgag ggcattgtga 180  
 ttaagcaaac aatatatttg ttagaacttt gtttttaaat tactgttcct tgacattact 240  
 tataaagagt ctctaacttt cgatttctaa aactatgtaa tacaaaagta tagtttccc 300  
 atttgataaa aggccaatga tactgagtag gatatatgcg tatcatgcta cttcattcag 360  
 tgtgtctgtt ttttaatacta ataaggcagt ttgacagaaa ttatttcttt gggactaagg 420  
 tgattatcat ttttttcccc ttcaaaattg tgctttaagt gctgataacc acaggcagat 480  
 tgcaaagaac tgataaggca acaaaagtag agaattttag gatcaaaggc atgtaactga 540  
 aaggtaacaa cagtaacataa gcgacaactg gggaaggcag cagtgaacaa tgtttggtgg 600  
 gttaagttag tcattgtaaa taaggaattt gcacatttat tttctgtcga cgcggccgcc 660  
 actgtgctgg atatctgcag aattccacca cactggacta gtggatc 707

<210> 196  
 <211> 552  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 61, 129, 189, 222, 241, 278, 324, 338, 363, 408, 415, 463,  
 483  
 <223> n = A,T,C or G

<400> 196  
 tggccagcca gcctgatgtg gatggcttcc ttgggggtgg gcttccctca agcccgaatt 60  
 ngtggacatc atcaatgcca aacaatgagc cccatccatt ttccctaccc ttcctgcca 120  
 gccagggant aagcagccca gaagcccagt aactgccctt tccctgcata tgcttttgat 180  
 ggtgtcatnt gtccttctc gtggcctcat ccaaactgta tnttcttta ctgtttatat 240  
 nttcaccctg taatggttgg gaccaggcca atcccttntc cacttactat aatggttgga 300  
 actaaacgtc accaaggtgg cttntccttg gctgaganat ggaaggcgtg gtgggatttg 360

1409 1409 1409 1409 1409 1409 1409 1409 1409 1409

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<210> 197
<211> 449
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<222> 56, 58, 76  
<223> n = A,T,C or G
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gcctttgacg	ggagacacag	ccagaccctg	aaggcaatgg	tgcaggcctg	gcccttcacc	360	
tgcctccctc	tgggagtgt	gatgaaggga	caacatcttc	acctggagac	cttcaaagct	420	
qtgcttgatg	gacttgatgt	gctccttgc				449	

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<210> 198
<211> 606
<212> DNA
<213> Homo sapiens
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<400>	198						
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tgctaaacat	ctttcaacgc	acaggacaga	gccccacaaa	agagaattat	ctagcccca	180	
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ctcaacgtcc	cgagccaggg	ctcaaggcaa	ttccaataac	agtagaatga	acactaaata	360	
ttgatttcaa	aatctcagca	actagaagaa	tgaccaacca	tcttggttgg	cctgggactg	420	
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tcacccttag	agctgaggga	ctcttcaata	cagaattagt	ctttgtgcac	tggagatgaa	540	
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ctgcac						606	

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<210> 199
<211> 369
<212> DNA
<213> Homo sapiens
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```
<220>  
<221> misc_feature  
<222> 29, 345  
<223> n = A,T,C or G
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<400> 199



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 ggtgaacggt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180  
 ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240  
 ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300  
 cgggccaagg cccaagaaaa ggggaagttc tgcctcggcc ctcangccat ggctccgcac 360  
 caccatcct 369

<210> 200  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 200  
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 His Thr Phe Glu Thr Arg Asp Leu Ser Arg Leu Ser Ser Asp Ser Gln  
 20 25 30  
 Pro Thr Ser Asn Val Ser Gln Ser Ile Ser His Lys Val Leu Ser Phe  
 35 40 45  
 Ser Gly Val Ile Val Thr Pro  
 50 55

<210> 201  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

<400> 201  
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 1 5 10 15  
 Gln Arg Gly Asn Leu Val Phe Leu Gly Asp Leu Lys Gly Cys Ser Glu  
 20 25 30  
 Leu Lys Asn Phe Gln Glu Leu Ile Asn Gln Ser Ala Leu Val His Pro  
 35 40 45  
 Arg Val Asp Val Trp Trp Tyr Cys Gly Gly Pro Leu Leu Gly Thr Leu  
 50 55 60  
 Pro Asn Asn  
 65

<210> 202  
 <211> 73  
 <212> PRT  
 <213> Homo sapiens

<400> 202  
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 Leu Glu Val Gly Trp Leu Ser Glu Glu Ser Leu Glu Arg Ser Leu Val  
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 Ser Lys Val Trp His Lys Val Thr Cys Lys Pro Lys His Pro Asp Gln  
 35 40 45

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

Phe Leu Tyr Ile Asp Ser Tyr Ser Trp Phe Arg Pro Leu Pro Pro Leu  
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 Pro Thr Val Val Lys Arg Thr Ala Ala  
 65 70

<210> 203  
 <211> 2008  
 <212> DNA  
 <213> Homo sapiens

<400> 203  
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 tgcctccctc tgggagtgt gatgaaggga caacatcttc acctggagac cttcaaagct 420  
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 aaagtagatg gtttgagcac agaggcagag cagcccttca ttcagtaga ggtgctcgta 660  
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<210> 204  
 <211> 923  
 <212> DNA  
 <213> Homo sapiens

<400> 204  
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<210> 205

<211> 1619

<212> DNA

<213> Homo sapiens

<400> 205

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<210> 206

<211> 2364

<212> DNA

<213> Homo sapiens

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 ttcagcctcc gcgtggaggg cgaccccgac ttctacaagc cggaaccag ctaccgcgta 180  
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&lt;210&gt; 207

&lt;211&gt; 787

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 207

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35 40 45  
 Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val Thr Leu Ser Ala  
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 Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile Ala Leu Arg Glu  
 65 70 75 80  
 Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly Thr Phe Gln Ile  
 85 90 95  
 Ile Asp Glu Glu Glu Thr Gln Phe Met Ser Asn Cys Pro Val Ala Val  
 100 105 110  
 Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln Val Phe Trp Ile  
 115 120 125  
 Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys Ala Ser Ile Val  
 130 135 140  
 Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser Leu Thr Lys Lys  
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 Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg Leu Thr Phe Tyr  
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 Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr Pro Arg Arg Ala  
 195 200 205  
 Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser Lys Asn Tyr Val  
 210 215 220  
 Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val Lys Gln Val Ala  
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 Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile Arg Gln Gln Ser  
 245 250 255  
 Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln Trp Pro Ala Trp  
 260 265 270  
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 Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro Trp Asp Ala Gly  
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 Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys Pro Thr Ile Pro  
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 Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp Glu Asp Gly Ser

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465                      470                      475                      480  
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 Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val Lys Gln Phe Pro  
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 Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu Thr Glu Lys Cys  
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 Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu Met Thr Glu Trp  
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 Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met Gly Met Lys Lys  
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 Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser Asp Cys Ser Val  
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 Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met Leu Lys Ser Leu  
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 Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln Val Glu Lys Cys  
 625                                   630                      635                      640  
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 Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His Val Ile Arg Thr  
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 Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala Pro Cys Pro Glu  
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 Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys Leu Arg Asn Pro  
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 Ser Ile Gln Lys Leu Arg Trp Arg Glu Ala Arg Glu Ser Arg Arg Ser  
 705                                   710                      715                      720  
 Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe Pro Gly Cys Arg  
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 Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys Leu Cys Gly Gly  
                                  740                      745                      750  
 Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg Phe Lys Ser Ser  
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 Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg Ala Cys Asn Val  
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 His Pro Cys  
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&lt;210&gt; 208

&lt;211&gt; 1362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 208

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 ttcgtgatgg gccttctggg gaacagcgcc accattcggg tcacccaggt gctgcagaag 180  
 aaaggatact tgcagaagga ggtgacagac cacatggtga gtttggcttg ctcggacatc 240  
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<210> 209
<211> 453
<212> PRT
<213> Homo sapiens
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Leu	Ile	Leu	Val 35	Tyr	Leu	Ile	Ile 40	Phe	Val	Met	Gly	Leu 45	Leu	Gly	Asn
Ser	Ala 50	Thr	Ile	Arg	Val	Thr 55	Gln	Val	Leu	Gln	Lys 60	Lys	Gly	Tyr	Leu
Gln 65	Lys	Glu	Val	Thr 70	Asp	His	Met	Val	Ser	Leu 75	Ala	Cys	Ser	Asp	Ile
Leu	Val	Phe	Leu 85	Ile	Gly	Met	Pro	Met 90	Glu	Phe	Tyr	Ser	Ile 95	Ile	Trp
Asn	Pro	Leu	Thr 100	Thr	Ser	Ser	Tyr 105	Thr	Leu	Ser	Cys	Lys 110	Leu	His	Thr
Phe	Leu	Phe 115	Glu	Ala	Cys	Ser 120	Tyr	Ala	Thr	Leu	Leu 125	His	Val	Leu	Thr
Leu	Ser 130	Phe	Glu	Arg	Tyr	Ile 135	Ala	Ile	Cys	His 140	Pro	Phe	Arg	Tyr	Lys
Ala 145	Val	Ser	Gly	Pro	Cys 150	Gln	Val	Lys	Leu	Leu 155	Ile	Gly	Phe	Val	Trp
Val	Thr	Ser	Ala 165	Leu	Val	Ala	Leu	Pro 170	Leu	Leu	Phe	Ala 175	Met	Gly	Thr
Glu	Tyr	Pro	Leu 180	Val	Asn	Val	Pro 185	Ser	His	Arg	Gly	Leu 190	Thr	Cys	Asn
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Ile	Cys 210	Thr	Asn	Leu	Ser	Ser 215	Arg	Trp	Thr	Val 220	Phe	Gln	Ser	Ser	Ile
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225                      230                      235                      240  
 Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser  
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 Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile  
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 Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile  
                                  290                      295                      300  
 Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg  
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 Ala Tyr Met Ile Leu Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser  
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 Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg  
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 Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser  
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 Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu  
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                                  420                      425                      430  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<400> 213  
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				85					90					95		
Cys	Ile	Ser	Cys	Cys	Asn	Thr	Pro	Leu	Cys	Asn	Gly	Pro	Arg	Pro	Lys	
			100					105					110			
Lys	Arg	Gly	Ser	Ser	Ala	Ser	Ala	Leu	Arg	Pro	Gly	Leu	Arg	Thr	Thr	
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Ile	Leu	Phe	Leu	Lys	Leu	Ala	Leu	Phe	Ser	Ala	His	Cys				
	130					135					140					